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A NEW

ENQUIRY

OF THE

Earth's Motion, &c.

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A NEW
ENQUIRY
OF THE
Earth's Motion.

Wherein are remarkable OBSERVATIONS, taken from the ſeveral fix'd Points and Places of the Heaven, alſo from the Horizon and the Eclipſe of the Sun, and alſo from the Difference of the Sun's Motion from the Moon; with ſeveral Arguments thereupon demonſtrated, proving the Sun to move, and not the Earth, contrary to the Opinion of the Majority of the Learned of this Age: The Syſtem of *Copernicus* alſo confuted, and plainly demonſtrated how and in what manner the Sun can appear to move by Reaſon of the Earth's Motion, proving the Sun to appear to move, but cannot appear to move all round the Earth; Some Secrets of the Earth and the Sun diſcovered, with a Machine, which neither *Tycho*, nor *Copernicus*, nor any Author of theſe later Ages, hath as yet made known to the World.

ISAAC LEACH, Maſter of the Charity-School at *ALTON*.

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A *LIST* of the NAMES of the SUBSCRIBERS; but there are ſeveral more whoſe Names are not brought in as yet.

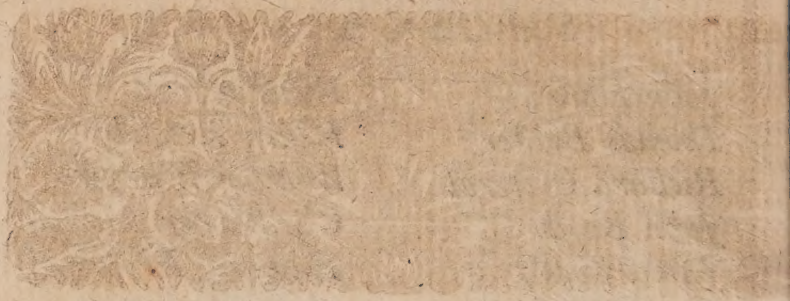
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John May
Anthony Uwins



THE PREFACE.

I HAVING read several Authors pro *and* con, *which have writ their several Opinions, concerning the Motion of the Earth, and the Sun being fix'd; and being of a curious searching Mind, willing to inform my self more perfectly of this matter, whereby I might be capable to give my Judgment in this Dispute, did give myself to Study, examining several natural Reasons, and also by making several Observations, from several of the fix'd Points and Places*

Places of the Heavens, and alſo from the Horizon, and the Eclipſe of the Sun, with the ſeveral Reaſons I obſerved from thence, were natural Demonſtrations, to confirm me, to believe, that the Earth is fix'd without Motion, and alſo that the Sun doth ſurely move daily round the Earth by a natural Motion; a Principle, which I know to be contrary to the Principles of the majority of the Learned of this Age; but I will hereafter give ſuch natural Reaſons and Demonſtrations, agreeing with common Experience, as ſhall plainly prove the Truth of my Opinion in this matter.

I confeſs I have undertaken to accompliſh a difficult Task, by attempting to pull down and rebuild a Fabrick, which hath been ſo ſtrongly raiſed, by ſo many knowing and skillful Workmen, but by examining the Foundation, have found it too Narrow and too Slight, to ſupport ſo great weight of Reaſon, as is required in ſuch a piece of Architecture; wherefore I intend to dig to the bottom Foundation, and

make

make more room in the Ground-Work; for a firmer and surer Foundation, upon which to build stronger Reasons and weightier Arguments, than what have been laid in its first Foundation; inorder to which, I have taken a Survey, of the four Points of Heaven, namely, the East and the West, the North and the South; with the two fix'd Stars, the North and the South Poles; also the two Tropicks and the Equinox; each of these Points and Places are known to be fix'd, each continuing unchangeable, and abiding in their proper Place, which if it be granted, as I presume none can deny; I say if this be granted, it is not difficult, by observing each Point and Place, to prove by natural Reason, that the Sun doth move and not the Earth.

I declare myself to the World, that my true Intent of publishing this small Treatise, was not my design to write against any particular Author, nor to reflect upon any of the learned, nor any other Man, that is not of my Opinion, but truly, and only, to make known

known the Reaſons of my Opinion to the World, and to confute the miſtaken Opinion of Copernicus *in his Syſtem, and with Arguments and Demonſtrations to convince thoſe, which have been miſtaken by his Opinion; and now I am in a ſtreight what to do, not willing to diſoblige the learned, nor yet to be ſilent in this Point, and if I write againſt the Syſtem of* Copernicus, *I write againſt their Opinions. I crave leave of them to mention ſome of their Opinions in this Point, without which, I cannot frame my Arguments to make good the Point intended; I know it is the Opinion of ſome, that the Sun is fix'd and the Earth doth move, and alſo that the Earth doth move all round from Weſt to Eaſt every twenty four Hours, and alſo is a Planet, that doth move in a Year, round the Sun, and* Copernicus *hath placed him in the Heaven in his Syſtem, between* Mercury *and* Venus, *and* Mars *and the* Moon, *between theſe four Planets in company with them, to move round the Sun; but I, having*

I, having found ſeveral Reaſons to the contrary, could never ſubmit my Reaſon to entertain ſuch Belief; I having by my Study newly invented a Machine, as it may properly be called, in the nature and likeneſs, as the Heaven and the Earth, are formed and placed, a terreſtrial Globe moving round within a celeſtial Globe, to which celeſtial Globe is prefix'd part of the two Syſtems, both of Ptolomy *and* Copernicus, *which doth viſibly ſhew the Sun's Motion, if it be fix'd, how and in what manner he can appear to move, by Reaſon of the Earth's Motion, as hereafter ſhall be made appear; the Demonſtrations of theſe, having the Aſſurance of Truth, and Reaſon alſo, which is the Mother of Truth, to vindicate my Pen; theſe are they which never fail of being victorious in all Diſputes and Controverſies, they gave me an Heart, as bold in this Attempt, altho' ſeeming difficult, with as much Courage, as* Jonathan, *and his Armour-Bearer, who fought through an Army of Men, although*

although I know, I muſt fight with ſtrength of Arguments through a Multitude, as ſtrong in their Opinions, as the others in their Arms; I will hereafter with Arguments demonſtra-ſtrate the Demonſtrations that are ſeen by this Machine, or pair of Globes, which I intreat the Reader without prejudice to my Opinion, deliberately and diligently to examine, whether the Reaſons and Strength of thoſe following Arguments, do not require ſome remarkable and new Speculation on this Point; and I preſume the Reader will find ſomething new in the Reaſons of theſe Arguments, which hath not been made known to the World, for ſome late Ages, and ſomething more remarkable, than what the World may on this Point reaſonably expect, to be dropt out of ſuch an inferior Pen; let not the World deſpiſe my Aſſertions, becauſe they came not from the Hand of a Character of Learning; but let them remember the Maxim of the Bee, that as ſweet Honey is ſometimes gathered out of the meaneſt Flower, as

is

is out of the fineſt Roſe; and if theſe following Arguments, are wiſely and truly examined by the Rule of right Reaſon, I doubt not, but I ſhall open ſuch a clear Light to the Reaſon of the Reader, as will give him a clear Sight to diſcern the Truth of the Point which I contend for, that the Sun doth move and not the Earth; and now in the Concluſion of my Preface, I declare, although I write in contradiction to the Opinions of the Learned, I write with no Reflection on them, nor on any others that are not of my Opinion, I am ſo far from ſuch Intent, that the only deſign of this Treatiſe, was only to make known, in chief to the Learned, the Reaſons of my Opinion; and I humbly intreat them, without prejudice to my Opinion, deliberately to examine the Reaſons of theſe following Arguments, and give their Judgment thereupon according as my Arguments ſhall furniſh them with Reaſon to believe; and I doubt not, if they are truly examined by the Rule of Reaſon, my inferior Pen will require of the World ſome new Speculation on this Point.

A NEW

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OF THE

Earth's Motion.

PROPOSITION. CHAP. I.

That the Sun is not fix'd, but doth move daily round the Earth by a Natural Motion.



FIRST I have conſider'd the Heaven and the Earth, how and in what manner they are form'd and plac'd; I find the Earth to be incloſed all round on every ſide, within the Circumference of Heaven, placed within its Circumference, in the Middle between the Eaſt and Weſt Points of Heaven, and is a

Partition, that parts the East from the West, on both sides of the Earth, if we suppose the Earth to move round, yet nevertheless, it abideth between the East and West Points of Heaven, and if the Earth moves round, it cannot alter the Points of Heaven, from continuing and being East and West; now if the Sun be fix'd in the East side of Heaven, where he appears to be in the Morning, he cannot appear to be seen in the West side of Heaven in the Evening, by virtue of the Earth's Motion; it must be by the Sun's Natural Motion with such Appearance; for when we see the Sun appear in the East side of the Earth, we believe him to be then in the East side of Heaven, and when he appears in the West side of the Earth, we believe him then to be in the West side of Heaven; if it be not so, we have no Knowledge to know the East side of Heaven, from the West side of Heaven, but as sure as there is an East and West side of Heaven, our Sun-Dials do surely inform us of both, for if the Sun in the Morning be not in the East side of Heaven, the Sun cannot cast his Shadow plain West upon the Hour of Six on our Sun-Dials, and if the Sun be not in the Evening in the West side of the Heaven, the Sun cannot then cast his Shadow plain East upon the Hour of Six on our Sun-Dials, so that our Sun-Dials do surely inform us, that the Sun in the Morning, is in the East side of Heaven, and in the Evening

Evening in the Weſt ſide of Heaven; and if this be granted, the Sun doth move from Morning to Evening, from the Eaſt of Heaven to the Weſt of Heaven, and I am ſure he cannot be fix'd in theſe two Places, either the Sun is not in the Eaſt of Heaven in the Morning at Six a Clock, nor in the Weſt of Heaven at Six a Clock in the Evening; and if he be, he doth move from Six a Clock in the Morning, to Six a Clock in the Evening from the Eaſt of Heaven, to the Weſt of Heaven, 'tis very plain Reaſon. Now we know when the Sun is in both ſides of Heaven, he muſt appear to us in both ſides of the Earth, by reaſon we are in the Middle between the Eaſt and Weſt of Heaven; now if we know the Eaſt and Weſt Points of Heaven, we alſo know that the Sun doth move from the Eaſt to the Weſt, and as we upon the Earth are neither in the Eaſt nor in the Weſt, but are the Partition that parts the Eaſt and Weſt on both ſides of the Earth; if our Place and Station be rightly conſider'd, we cannot ſee the Sun in the Eaſt ſide of the Earth, but he muſt be then in the Eaſt ſide of Heaven; neither can we ſee the Sun in the Weſt ſide of the Earth, but he muſt be then in the Weſt ſide of Heaven; I ſay conſidering our Place and Station, in the Middle between the Eaſt and Weſt Points of Heaven, we cannot ſee the Sun in both ſides of the Earth, but he muſt be then in both ſides of

Heaven; and then 'tis plain that the Sun doth move from one ſide of Heaven to the other, and then ſurely he cannot be fix'd; the Eaſt and Weſt Points of Heaven, where the Sun appears every Day, do ſhew us that the Sun doth move from Eaſt to Weſt.

Now it will be a difficult matter to prove the Sun not to be in the Eaſt ſide of Heaven at Six a Clock in the Morning, and alſo as difficult to prove him not to be in the Weſt ſide of Heaven at Six a Clock in the Evening; and if that cannot be proved, it plainly proves, that the Sun in the Morning is in the Eaſt of Heaven, and in the Evening in the Weſt of Heaven; and I am ſure theſe two Points are ſo far diſtant and oppoſite one to the other, that it cannot be one fix'd place for the Sun, if he be in both theſe Places, as our Sun-Dials do demonſtrate that he is, he muſt move from one ſide of Heaven to the other, or elſe he cannot be there in theſe oppoſite Places, and if he be in theſe two Places, as he appears to be, and our Sun-Dials do demonſtrate him to be in theſe two Places, it proves plainly, that he cannot be fix'd in thoſe two Places, but doth move from one Place to the other, or elſe how comes the Sun in thoſe two Places? 'tis not the Earth's moving round in the Middle between theſe two Places, that can cauſe the Sun to appear to us to be Morning and Evening in both ſides of the Earth; for we upon

upon the Earth are a Partition, that parts the Eaſt and Weſt Points of Heaven, on both ſides of the Earth, and if the Sun be fix'd, when he appears in the Eaſt ſide of the Earth, he cannot appear beyond this Partition weſtward, except he move over this Partition, and he cannot appear to be in both ſides of this Partition, but he muſt be in both ſides of Heaven, for there is nothing but Heaven in the Eaſt ſide of us, neither is there any thing but Heaven in the Weſt ſide of us; ſo that if the Sun's place of Motion be in the Heaven, he cannot appear in both ſides of us, but he muſt be in both ſides of Heaven, and he cannot be fix'd in theſe two places; if the Sun be fix'd in the Eaſt point of Heaven, he cannot by the Earth's Motion appear in the Weſt of Heaven, and if he be fix'd in the Weſt Point of Heaven, the Motion of the Earth eaſtward, cannot cauſe him to appear in the Eaſt Point of Heaven; no, that will cauſe him to go down in the Weſt ſide of Heaven, we being between the Eaſt and Weſt Points of Heaven, can diſcern the Sun to move into both ſides of us, from the Eaſt of us, to the Weſt of us, and then he muſt move from the Eaſt of Heaven, to the Weſt of Heaven, our Place and Station being in the Middle between the Eaſt and Weſt Points of Heaven, do plainly ſhew to us the Sun's Motion, to move from the Eaſt of Heaven, to the Weſt

of Heaven; and I presume, if this Argument be truly examined, and our Place and Station well considered, good Reason will appear in it, that the Sun doth move.

Objection; That the moving the Earth round from West to East, if the Sun be fixed in the East, will cause the Sun to appear to move, from East to West, when he doth not move; in Answer, I grant it for Truth, that the moving of the Earth from West to East, will, if the Sun be fix'd in the East, cause him to appear to move from the East westward, this I grant, and this will I prove, but I will not grant that the moving round the Earth eastward, will cause the Sun to appear to move from the East of Heaven, to the West of Heaven, to move all round the Earth; no, I will not agree to that, yet I will prove that the Earth's Motion will cause the Sun to appear to move from the East side of Heaven westward, but not round the Earth, for that is impossible, if the Sun be fix'd, to be seen in both sides of the Earth, by virtue of the Earth's Motion; for the Earth, when turned a quarter round eastward, changeth its Motion, under the Earth, and moves westward, and the Change of the Earth's Motion from the Sun, must also change the Sun's Motion, moving any further westward, and this Change of the Earth's Motion, was what *Copernicus* never found out, which hereafter I will make more plainly appear; for had

he

he found out the Secret, that the moving round the Earth but one way eaſtward, had two Motions in reference to the Sun's Motion, he would alſo have known that the moving round the Earth from Weſt to Eaſt, could not have cauſed the Sun to appear to move from Eaſt to Weſt all round the Earth, for that is impoſſible by the Earth's Motion, as after ſhall appear; becauſe my Opinion is ſo contrary to the general Opinion of the Learned, it gave me doubt to be thought impertinent and preſumptuous, to write with ſuch an inferiour Pen, to contradict the Opinion of ſo many of the Learned; but for my Encouragement, I preſume, I have by my Study newly invented ſuch a Machine or Pair of Globes, as have not been ſeen in all *Europe*; which do viſibly demonſtrate the true Motion of the Sun, if he be fix'd, caus'd by the Earth's Motion, and there is nothing upon Earth, by Reaſon, can be more likely, or ſurer, to depend upon for its Demonſtration: I will inform the Reader in what Nature and Manner this Machine or Pair of Globes are formed or made, and afterwards will leave the Reader to judge of its Effects; this Machine is formed in Nature and Manner, like as the Heaven and Earth are formed and placed, a Terreſtrial Globe moving round within a Celeſtial one; to this Celeſtial Globe is prefixed part of the Syſtem of *Ptolomy* in the inſide, with the Earth in the Cen-

ter, and with the Syſtem of *Copernicus* in the out ſide, with the Sun in the Center; there is nothing more prefix'd to this Celeſtial Globe, but only in their places, the two Pole Stars, the two Tropicks and the Equinox, with the Sun fix'd in the Eaſt ſide of the Earth; and within this Celeſtial Globe, is a Terreſtrial Globe, moving upon an Axis between the two Pole Stars, and the Sun being fix'd in the Eaſt ſide of the Celeſtial Globe, the moving round the Terreſtrial Globe Eaſtward to the Sun, doth viſibly ſhew the Sun's Motion, caus'd by the Earth's Motion, to move from Eaſt to Weſt ſo far as the Earth, and no farther weſtward can the Sun appear to move, by virtue of the Earth's Motion; for when we upon the Earth, are turning eaſtward to the Sun, the Sun that is fix'd will appear to move weſtward to the Earth, till we are turn'd full Eaſt with our Heads pointing to the Sun; then will the Sun appear over our Heads over the Earth; but as ſoon as we are turning from that Eaſt Point under the Earth, our Motion upon the Earth is changed from moving eaſtward, we turning under the Earth are carried weſtward from the Sun, and the Sun will alſo appear to change his Motion back again eaſtward from us, as we move from him, and ſet in the Eaſt Side of the Earth behind us; ſo that the Earth's Motion from Weſt to Eaſt will cauſe the Sun to appear to

move

move every Day in the Year: the fore part of the Day will move from Eaſt to Weſt, and the later part of the Day will move back again from Weſt to Eaſt, moving forwards and backwards every Day riſing in the Eaſt, and ſetting in the Eaſt. Alſo

I will hereafter make manifeſt it's Demonſtrations more fully in ſeveral particulars by natural Reaſon, but 'tis ſo viſibly ſeen to the Eyes of all that have ſeen it, by the moving round the Terreſtrial Globe, that 'tis impoſſible for the moving round the Earth to cauſe the Sun fix'd to appear to move round the Earth, there can be no ſuch thing in Nature by the Earth's Motion, the Sun will appear to move weſtward, ſo long as we are moving to the Sun, and no longer, but when we are turning under the Earth weſtward from the Sun, ſuch Motion turning from the Sun, will cauſe the Sun to appear to move back again eaſtward from us, and this I can demonſtrate, and will juſtify it, before all the Sons of Men, proving by it's Demonſtrations, that the Sun doth move and not the Earth: I have had ſeveral Mathematicians that have ſeen this Machine, and it is agreed on in general both by the Learned and Unlearned, that the Demonſtrations ſeen by this Machine, are natural Reaſon, proving the Sun to move and not the Earth, if the Sun be fix'd, when he appears in the Eaſt ſide of the Earth, 'tis impoſſible by the

Earth's Motion for the Sun to be ſeen in the Weſt ſide of the Earth except he move: for the Earth being neither in the Eaſt nor in the Weſt, but in the middle between the Eaſt and Weſt Points of Heaven, if the Sun be fix'd in the Eaſt of Heaven, when he appears to be there, then he is fix'd in the Eaſt of the Earth, and the Earth is in the Weſt ſide of the Sun, and at whatſoever Place we are upon the Earth when we behold the Sun, we ſee him in the Eaſt ſide of the Earth, for every Duſt and Atom all round the Earth is in the Weſt ſide of the Sun, and the Sun fix'd in the Eaſt ſide of the Earth, ſo that if the Sun be fix'd in the Eaſt ſide of the Earth, he can't appear in the Weſt ſide of the Earth, by Reaſon we are in the Middle between the Eaſt and Weſt Points of Heaven; the turning round the Earth in the middle between the Eaſt and Weſt Points of Heaven, can't cauſe the Sun fix'd in the Eaſt ſide of the Earth, to appear to be ſeen in Weſt ſide of the Earth, by virtue of the Earth's Motion; for we upon the Earth are a Partition that parts the Eaſt from the Weſt; on the one Side of us 'tis all Eaſt, and on the other 'tis all Weſt, and the Sun fix'd in the Eaſt ſide of us, can't appear in the Weſt ſide of us, by the moving round the Earth, between the Eaſt and Weſt Points of Heaven.

I intreat the World to lend me ſome Reaſons upon theſe Arguments, and I will give under

under my Hand, to pay them again with great Satisfaction, if the Sun be fix'd, when he appears in the Eaſt ſide of the Earth, 'tis certain, that we can never ſee the Body of the Sun when we are upon that ſide of the Earth which is from the Sun, we can't ſee the Sun there, by reaſon that the Earth will be between us and the Sun: now if we can't ſee the Sun, when we are upon that ſide of the Earth which is from the Sun, I am ſure if we ſee the Sun from that ſide of the Earth which is to the Sun, the Sun will always appear to us to be in the Eaſt ſide of the Earth, by reaſon every Spot and Duſt all round the Earth is in the Weſt ſide of the Sun, and the Sun fix'd in the Eaſt ſide of the Earth; let the Earth's Motion be how it will, we can't ſee the Sun, but when we are upon that part of the Earth which is next the Sun, and that muſt be towards the Eaſt of Heaven, at which ſide of the Earth the Sun is fix'd, and then it is certain we can never ſee the Sun in the Weſt Side of the Earth, by virtue of the Earth's Motion: for at whatſoever Place of the Earth we are when we can diſcern the Sun, let the Earth move how it will, if a ſtreight Line could be drawn from us to the Sun; the Sun will be at the Eaſt End of the Line, and we at the Weſt End of the Line, and it cannot be otherwiſe by reaſon the Sun is fix'd in the Eaſt

Side of the Earth, which plainly proves, if the Sun be fix'd, that he cannot appear to move round the Earth by virtue of the Earth's Motion: I leave theſe Reaſons to the World in part of Payment, for what Reaſon I borrowed, and I will be anſwerable for what more is required hereafter, and I preſume, I have made good the Propoſition, and alſo cleared the Objection; and alſo made it appear that the Sun doth move round the Earth.

PROP.

PROP. CHAP. II.

If the Sun be fix'd, and the Earth move; the Motion of the Earth cannot cauſe the Sun to appear to move round the Earth, but will cauſe the Sun to appear to move by an uncommon Motion; he will appear to move forwards and backwards every Day, appearing to riſe in the Eaſt Side of the Earth, and alſo to ſet in the Eaſt Side of the Earth.

IN anſwer to this Propoſition, I will plainly prove that *Copernicus* was miſtaken in his Opinion, and alſo what was the Cauſe of his Miſtake: he had found out that the Earth moving round from Weſt to Eaſt, would cauſe the Sun fix'd in the Eaſt, to appear to move weſtward; the Cauſe of ſuch Appearance of the Sun's Motion, was by our moving to the Sun, and not the Sun to us; for let the Sun be fix'd where he will, if we move to the Sun, the Sun will appear to move to us: now *Copernicus* thought, that the Earth moving eaſtward to the Sun, cauſed the Sun to move weſtward to us; he thought whilſt the Sun was in Motion weſtward, and the Earth in Motion eaſtward,

ward, that caused the Sun to move westward, that the Sun would continue its Motion westward all round the Earth; but in this was his Mistake, there was a secret Motion of the Earth, which *Copernicus* never found out, if he had, he would have known that the moving round the Earth eastward could not cause the Sun to move westward all round the Earth; for the moving round the Earth eastward, will cause the Sun to move westward, and also back again eastward, and this was the Cause of his Mistake; not thinking that the moving round the Earth eastward, that moved the Sun westward, could cause the Sun also to move eastward back again: it looks seeming to contradict Reason, and very strange, but it is very true, and in this Ten thousand Men might have been mistaken as well as him.; it looks so much in Contradiction to Reason, for as he had found out the Reason that the moving round the Earth eastward, would cause the Sun to appear to move westward; such Reason made him think, that the Sun would move westward all round the Earth, and it looked very likely to Reason; but there is a secret Motion of the Earth, which he did not discern, which doth contradict such Reason, which I will plainly prove hereafter by natural Reason, with a Proviso, that there is any Reason now amongst Men in the World; I will discover how *Copernicus* was

mistaken

miſtaken in his Opinion, believing that the Earth's Motion would cauſe the Sun, if he be fix'd, to appear to move round the Earth, and I prove it thus; If the Sun be fix'd, when he appears in the Eaſt Side of the Earth, the Sun at his riſing appearing but juſt above the Earth, but millions of Miles diſtant in the Eaſt Side of the Earth, if the Earth move round eaſtward, the Earth will turn us to the Eaſt Side of the Earth next the Sun, that at that Eaſt Point, our Feet will ſtand full Weſt againſt the Earth, and our Heads will point full Eaſt againſt the Sun; thus the Earth being turn'd a quarter round, the Sun will then appear over the Earth over our Heads, not appearing in the Eaſt of us but over the Earth, but even then the Sun is full in the Eaſt of the Earth, although he doth not appear ſo, it muſt be ſo, becauſe our Feet ſtand pointing full Weſt againſt the Earth, and our Heads ſtand full Eaſt pointing againſt the Sun, as being turn'd to the Eaſt ſide of the Earth next the Sun, if the Earth moves us from that Eaſt Point another quarter round, we are then turn'd round under the Earth back again weſtward from the Sun, and when we are turn'd under the Earth, as ſoon as we turn'd from that Eaſt Point, to move round under the Earth, the Earth doth there change its Motion, from moving us eaſtward to the Sun, and moves us under the Earth back again weſtward from

the Sun, leaving the Sun behind us in the East side of the Earth, and when we are under the Earth, just past its Center, the East side of the Earth between us and the Sun will hide the Sun from us, and it will be Night with us, so will the Sun appear to move back again from us eastward, and set in the East side of the Earth; now when we upon the Earth move eastward to the Sun, the Sun will appear to move westward to us, but when we move under the Earth back again westward from the Sun, the Earth then changing its Motion from moving eastward to the Sun, and moving us westward from the Sun, the Sun will also change its Motion from us, and move back again eastward from us, and set in the East side of the Earth; and this is plain Reason, if not, there can be no Reason nor Rule for the Earth's Motion to move the Sun, if the Sun be fix'd; if the Earth moves not, the Sun cannot appear to move, and if the Earth's Motion move the Sun fix'd, it cannot be by any other way by natural Reason, but only by two Motions of the Earth, and those two Motions of the Earth, will naturally cause the Sun to appear to move two Ways, and those two Motions of the Earth, which can cause the Sun fix'd to appear to move, must be the one to the Sun, and the other from the Sun, and if the Earth moves any other way angular from the Sun,

'tis

'tis impoſſible, by natural Reaſon, for the Sun to appear to move, and this is the true caſe of the Appearance of the Sun's Motion to us, if we are mov'd round the Earth, we upon the Earth being mov'd towards the Sun, and nearer the Sun, 'tis Reaſon for the Sun to appear to move nearer to us, and by the ſame Reaſon when we are under the Earth moving from the Sun, the Sun will naturally appear to move back again eaſtward from us, and then he muſt ſet in the Eaſt ſide of the Earth; this is Truth and it is Reaſon, and what Reaſon ſays, Truth alſo will juſtifie; for when we move from the Sun, we move round circular, and the Belly of the Earth that follows behind us, will ſoon be between us and the Sun, and then the Sun muſt ſet behind us in the Eaſt ſide of the Earth, and this is as much Reaſon as the other: now 'tis to be obſerv'd, although the Earth moves us but one way only, turning us round eaſtward, yet nevertheleſs, it carrieth us with two Motions, one Motion upon the Earth eaſtward to the Sun, and with another Motion under the Earth weſtward from the Sun, for the Motion of the Earth moving eaſtward, carries us upon the Earth eaſtward to the Sun, and alſo under the Earth weſtward from the Sun, and theſe are the two Motions of the Earth moving round but one Way, one Motion upon the Earth Eaſtward to the Sun, and

another

another Motion under the Earth weſtward from the Sun, and theſe two Motions of the Earth, the one eaſtward, and the other weſtward, the one to the Sun, and the other from the Sun, will cauſe the Sun to appear to us, to have two Motions alſo, the one Motion to us, and the other from us, one Motion weſtward, and the other eaſtward, according as the Earth moves us, Eaſt and Weſt, to the Sun, and from the Sun, and theſe are the ſecret Motions of the Sun, and the Earth, which *Copernicus* never found out, which was the Cauſe of his being miſtaken in his Opinion, and by his Miſtake, and for want of examining Reaſon, have fix'd an Error in the World; and I preſume, if I had not diſcover'd this Error, with my Machine, or Pair of Globes, it would have remain'd undiſcover'd to the End of the World, as being receiv'd a common Faith amongſt the Learned; and if they pleaſe to examine the Reaſon of thoſe Arguments, I preſume they will find more Weight in them, than what they might expect from me, if Men are willing to be convinc'd of this Error; I will make it appear to them by ſuch plain Reaſon, as they ſhall not be miſtaken; now if the Sun be fix'd in the Eaſt ſide of the Earth, when we are turn'd to the Eaſt ſide of the Earth next the Sun, we are then as far Eaſt as we can be mov'd by the Earth's Motion, there will our Feet

ſtand

ſtand againſt the Side of the Earth pointing in a ſtreight Line through the Center of the Earth full Weſt, and our Heads pointing in a ſtreight Line, from the Center of the Earth full Eaſt againſt the Sun, our Feet pointing full Weſt, and our Heads full Eaſt, and the Sun will then appear not to be in the Eaſt of us, but over the Earth over our Heads, ſo that when we are turn'd to that Eaſt Point, the Sun will have appear'd to us, to have moved from the Eaſt weſtward to be over the Earth, when our Heads are pointing againſt the Sun, and no farther weſtward than over the Earth, can the Sun appear to move, by virtue of the Earth's Motion, and even then at that Eaſt Point, when the Sun appears over our Heads over the Earth, the Sun is then in the Eaſt ſide of the Earth, by Reaſon the Earth is in the Weſt ſide of the Sun, and we turned to the Eaſt ſide of the Earth; but when we move from that Eaſt Point round under the Earth, we move weſtward from the Sun, leaving the Sun at that Eaſt Point behind us, appearing to us in the Eaſt ſide of the Earth, when we are under the Earth, as he appear'd to us in the Eaſt ſide of the Earth, when we were upon the Earth, and when we are under the Earth, juſt paſt the Center, the Sun will ſet behind us in the Eaſt ſide of the Earth, and thus it will be, for when we move from the Sun,

the Sun will ſet behind us, when we are mo-
ved towards the Sun, 'tis natural for the Sun
to appear to move towards us, but when we
are moving from the Sun 'tis as contrary to
Nature that the Sun ſhould move after us,
and for that Reaſon 'tis impoſſible, if the
Sun be fix'd, to appear to move round the
Earth, by reaſon alſo that we cannot move
round the Earth, but we muſt move to the
Sun upon the Earth, and from the Sun under
the Earth; for as faſt as the upper ſide of
the Earth turning round moves eaſtward,
the under ſide moves as faſt weſtward, ſo
that in moving round the Earth we muſt
move both Eaſt and Weſt to the Sun, and
from the Sun; and theſe are two Motions of
the Earth, moving us two ſeveral Ways, the
one to the Sun, and the other from the Sun,
muſt cauſe the Sun to appear to us with two
Motions, alſo one Motion weſtward, and the
other eaſtward, the one to us, and the other
from us, according as we move to the Sun,
and from the Sun; in ſuch like manner as the
Earth's Motion is to the Sun, in ſuch like man-
ner will the Sun's Motion be to the Earth; if
not, there can be no Rule for the Earth's Mo-
tion to move the Sun to any Point of Heaven;
if the Reader pleaſe to examine this follow-
ing Argument, it will in a great Meaſure in-
form him, what Virtue there is in the Earth's
Motion, to cauſe the Sun, if he be fix'd, to
appear to move from the Eaſt ſide of the
Earth,

Earth, to the Weſt ſide of the Earth, to riſe in the Eaſt, and ſet in the Weſt; if the Sun be fix'd in the Eaſt of Heaven, where he appears to be in the Morning, 'tis impoſſible for the Earth's Motion, to cauſe the Sun to appear to move from the Eaſt of Heaven to the Weſt of Heaven, to be ſeen in both ſides of the Earth, I prove it thus; if the Earth move us all round, we muſt move round the Earth with two Motions, one Motion upon the Earth to the Sun, and the other Motion under the Earth from the Sun; and if the Sun be fix'd in the Eaſt of Heaven, I obſerve, when we are turned to the Weſt ſide of the Earth next the Weſt of Heaven from the Sun, we cannot ſee the Sun where he is fix'd, by reaſon the Earth will be then between us and the Sun, except we could look through the Earth; if this be granted, which I preſume none can deny, then 'tis certain we muſt, if we ſee the Sun, be at the Eaſt ſide of the Earth next the Sun, and then 'tis certain alſo, that all that are not blind, will ſee the Sun always fix'd in the Eaſt of Heaven in the Eaſt of the Earth; for let the Earth move us round how it will, if the Sun be fix'd, when he appears in the Eaſt ſide of the Earth, we can never ſee the Sun from any other ſide of the Earth; but only when we are at the Eaſt ſide of the Earth which is next the Sun, and then it plainly proves, if the Sun be fix'd in the Eaſt of Heaven,

the

the Earth's Motion cannot cauſe him to appear to be ſeen in both ſides of the Earth, I am ſure theſe are very plain Reaſons, I leave the Reader to judge, the Earth's Motion can never cauſe the Sun to appear to move any farther weſtward, than we move to the Sun, which can be but to the Eaſt ſide of the Earth, where our Heads will point againſt the Sun, the Sun at that Eaſt Point will appear to us to be over the Earth, and not in the Eaſt of us: Yet nevertheleſs though the Sun appears over the Earth, he is full Eaſt of us by reaſon we are then at the Eaſt ſide of the Earth, our Feet ſtanding full Weſt againſt the ſide of the Earth, and our Heads againſt the Sun; the Sun if it be fix'd cannot appear to move any farther weſtward than to that Eaſt Point, for we can move no farther to the Sun, for 'tis our moving Eaſt to the Sun that doth cauſe the Sun to move weſtward to us, and when we move from that Eaſt Point to go under the Earth, the Earth there changeth its Motion from moving Eaſt to the Sun, and moves under the Earth back again weſtward from the Sun, and the change of the Earth's Motion, moving from the the Sun at that Eaſt Point, will change the Sun's Motion alſo from moving any farther weſtward, and as we move back from the Sun, the Sun will appear to move back from us, and ſet in the Eaſt ſide of the Earth, and ſuch will the Sun's Motion appear to be e-

very

very Day, if the Sun be fix'd, and the Earth move, the Sun will appear in the forepart of the Day to move weſtward ſo far as over the Earth, and the later part of the Day will move back again eaſtward, and ſet in the Eaſt ſide of the Earth.

I declare to the Learned, that I write with no Reflection on them for not being of my Opinion, no I am ſo far from ſuch Deſign, that that my Deſign in writing this ſmall Treatiſe, was wholly intended to commend it to the Reaſon of their Judgment, to examine whether I am miſtaken in my Reaſons or not, I write the more poſitive, becauſe the Reaſons of theſe Arguments, are demonſtrated with my Pair of Globes, or Machine; the Reaſon of thoſe Arguments are the Roots and Branches which have ſprung from thence, by which I can demonſtrate theſe Reaſons, if they are Reaſons, before all the World; but 'tis not my Opinion only to believe ſuch Demonſtrations as are ſeen by them, but 'tis the Opinion in general of all that have ſeen them, and ſome I have convinc'd with them, which have not been of my Opinion: This Machine, as properly it may be called, is a Terreſtrial Globe moving round within a Celeſtial Globe; what elſe upon Earth can be more likely to demonſtrate the Sun's Motion, cauſed by the Earth's Motion than this? a Terreſtrial Globe moving round within

within a Celeſtial Globe, in like manner as the Earth, if it doth move, moving round within the Circumference of Heaven.

CHAP. III.

Information for the Trial of ſome Experiments to prove the Point intended.

THE next thing I intend, ſhall be to inform the Reader, how to try an Experiment, that will prove the Truth of my Aſſertion, and alſo ſhew in what manner the Sun will move by reaſon of the Earth's Motion; let the Reader have a round wooden Ball, turn'd near as big as a ſmall Cannon Ball, into which drive a Nail four Inches long, and by Candle-light in the Evening, with a piece of Chalk upon a Table, draw a Circle, and mark an Eaſt and Weſt ſide to that Circle, and let this Circle repreſent the Horizon; ſet a Candle at the Eaſt ſide of the Circle burning, to repreſent the Sun in the Morning in the Eaſt ſide of the Earth, let the Ball repreſent the Earth, and let the Nail upon the Ball repreſent a Man ſtanding upon the Earth, then take the Ball in both Hands, and hold him in the Weſt ſide

of

of the Candle; hold the Ball with the Nail upward level with the Candle, like as the Sun riſes level with the Earth, then move the Ball a quarter round from Weſt to Eaſt to the Candle, the head of the Nail will then point ſtraight againſt the Candle, and obſerve at that Eaſt Point when the head of the Nail points againſt the Candle, that the Candle is then in the Eaſt ſide of the Ball; ſo likewiſe we upon the Earth, when we are turned to the Eaſt ſide of the Earth, our Heads pointing againſt the Sun, where the Sun will be over the Earth, over our Heads; yet even then the Sun is in the Eaſt ſide of the Earth, like as the Candle is in the Eaſt ſide of the Nail pointing to the Candle, although he appears over the Earth, 'tis becauſe we are at the ſide of the Earth next the Sun, encompaſſed all round with the Heaven in another Horizon, that makes the Sun appear over the Earth, over our Heads, and not appear Eaſt of us; he will appear over us, but cannot appear in the Weſt ſide of us: Now as the Sun is far Eaſt of us at his riſing, and over our Heads at mid-day, it proves the Sun to riſe higher, and move weſtward from Morning to Noon, when we are turn'd to the Eaſt our Heads pointing to the Sun, which will be at Noon or mid-day; then when the Nail points to the Candle, we turning Eaſt to the Sun, the Sun will then appear over the Earth, over our Heads; move the Ball

another quarter round, from that East Point: with the Nail under the Ball, just past the Center of the Ball under the Ball, at which place the East side of the Ball will shade the Nail, at which Place it will be Night with us when we are under the Earth, there the Nail is hid from the Candle, and there shall we be hid from the Sun, and it will be Night with us; and as the Light of the Candle goes off from the Nail, when he is under the Ball, the Candle is then in the East side of the Ball, so will the Light of the Sun go off from us, when we are under the Earth, when the Sun is in the East side of us, and then it will be Night, and the Sun go down in the East side of the Earth, and observe the Shadow of the Nail from the Candle, as the Ball is turning, both at top of the Ball, and also under the Ball, the Shadow will fall always westward, and so will the Shadow of the Sun fall always westward from the Sun upon our Sun-Dials, if the Earth turn round, for if the Earth turn round, it must turn round as doth the Ball, and as the Shadow of the Candle is in turning the Ball upon the Ball, so will the Shadow of the Sun in turning the Earth be upon the Earth; this Ball and Candle is a true Emblem of the Earth and the Sun, for at the first turning the Candle is East of the Ball, level with the upper side of the Ball, as the Sun appears to be level with the Earth at his

first

irſt riſing, but when the Ball is turn'd a quarter Round, then the upper ſide of the Ball is turn'd full Eaſt, with the Head of he Nail pointing againſt the Candle, then vill the Sun appear over the Earth to be over ur Heads, the Sun being ſo far Eaſt of us t his riſing, and over our Heads when we re turn'd to the Eaſt againſt the Sun, the un though fix'd, hath from his riſing ap- ear'd to riſe higher, and to move weſtward earer us, till he his over the Earth, which ill be at mid-day; but turning the Ball an- her quarter Round as the Nail is turning und from the Eaſt Point under the Ball, e Candle is left behind in the Eaſt ſide of e Nail, and the Nail is carried under the ll Weſt from the Candle, ſo we upon the rth in like manner, will be carried weſt- rd from the Sun, as we are turn'd under e Earth, leaving the Sun behind us in the ſt ſide of the Earth, and when the Nail is der the Ball turn'd juſt paſt the Center or rpendicular Point of the Ball; the round- s of the Ball in the Eaſt ſide againſt the ndle, will ſhade the Nail upon the Ball; will the Eaſt ſide of the Earth againſt Sun ſhade us from the Sun, when we are n'd under the Earth, and when we are ded from the Sun, it muſt be night with and that it could not be, if the Sun h not go down in the Eaſt ſide of the th, it is certain when we are carried un-

der the Earth westward from that Eas
Point, leaving the Sun behind us in th
East, the Sun must go down in the East sid
of the Earth, and whilst we are turning fro
that East Point where the Sun appears ov
Head, till we are under the Earth where h
appear'd to go down, he must appear nea
and nearer the Earth, and then it is certai
he must appear to us to move back agai
eastward, and set in the East side of th
Earth, for when we are turn'd to the Eas
side of the Earth against the Sun, he wil
when we are at the East side of the Eart
appear to be over the Earth over ou
Heads, but even then when he appears ov
the Earth over our Heads, the Sun is th
in the East side of the Earth, by Reaso
we are then at the East side of the Ear
otherwise he could not appear to be ov
the Earth over our Heads, if we were n
turn'd to the East side of the Earth agai
the Sun, the turning this Ball against a Ca
dle, or it may be turn'd against the Sun
the Morning, no matter against which,
often turning the Ball either against t
Sun in the East, or against a Candle, if t
Shadow upon the Nail be observed in tu
ing round the Ball, it will shew the Su
Motion, his rising and setting to be in
East side of the Earth; it is an easy Mat
to prove my Assertion by this Experime
for if the Earth moves, it must move aga

the Sun, in the ſame like manner as the Ball moves againſt the Candle, and the Shadow of the Sun will fall upon the Earth, in the ſame like manner as the Shade of the Candle doth fall upon the Ball, which will appear to be always weſtward, which plainly ſhews, if the Sun be fix'd and the Earth move, no no Sun-Dial can ſhew us the true Hours of the Day.

Now will I inform the Reader how to try another experiment, that will prove the Earth not to move round, but is fix'd without Motion; let the Reader fix a Sight to the Pole Star, called the North Pole, 'tis a fix'd Star always abiding in one place of Heaven, and he appears very high in the Horizon above the Earth: Now if the Earth moves round in twenty four Hours, the Sight that is fix'd pointing to that fix'd Star, will, in twelve Hours, be turned under the Earth, and will point as far and as high in the Horizon under the Earth, as it doth upon the Earth to the Pole Star, and theſe two Points will point a great Diſtance apart, and if it be found that the Sight in twelve Hours doth move far diſtant from that fix'd Star, the Reader may conclude that the Earth doth move, but to the coutrary, if the Sight fix'd continues his Point to that Star, then the Reader may ſurely conclude, that the Earth is fix'd, and doth not move: *Objection*, That the two Pole Stars are the Earth's Axis,

between which it moves round, and there
fore if the Earth moves round, the Sight
will always point to the Pole Star, and not
move its Point: I answer, here is room e
nough in this Objection for a Cavil, but no
Reason enough to prove a Dispute; if it can
be proved that this Sight fix'd to the Pole
Star, upon supposition, that if a Line could
be strained from the two Pole Stars, through
the Center of the Earth, and that Line point
straight with the Sight to the two Pole Stars;
then if the Earth move round between these
two Axes, the two Pole Stars, then there
is room enough for a strong Argument to
plead, if the Earth move round that the
Sight will not move its Point from the
Pole Star; but by way of observation, I would
have the Reader consider the large Circum-
ference of the Earth, being 21600 Miles;
where shall that Place be found upon the
Earth, where a Sight can be fix'd to that
Pole Star, that will point from Pole to Pole
through the Center of the Earth in a straight
Line with the Sight; there can be but one
such place upon all the Earth, that a Sight
can be thus fix'd, and where can we find such
a place, and if a Sight be fix'd to the Pole
Star in any other place, the Sight will point
to that Star, angular to the straight Line of
the Earth's Axis from Pole to Pole, and then
I will affirm, if the Earth move round, the
Sight will then move its Point far distant

from

from that fix'd Star, there is no Mathematician but muſt agree to it, for if a Sight be fix'd to that fix'd Star, with his Point from the Earth angular a-croſs the Earth's Axis, the the ſtraight Line from Pole to Pole through the Center of the Earth, if the Earth move round, the Sight cannot continue its Point to the Pole Star, ſuppoſe a Sight was fix'd to the Pole Star, in every Nation upon the Earth, if the Earth moves round, there can be but only one of thoſe Sights, in all Nations will continue his Point to the Pole Star, every one of all the reſt will move their Points, and doth any Man ſuppoſe, that a Sight being fix'd to that Star in *England*, ſo far in the North ſide of the Earth, that ſuch a Sight doth point from Pole to Pole in a ſtraight Line through the Center of the Earth, the Chance is as Five hundred to one, which is unlikely, I fix'd a Sight that ſtood his Point to the Pole Star ſeveral Months, which is Reaſon enough for me to believe that the Earth doth not move.

The Trial of another Experiment is with the Needle and Compaſs; try the Points of the Needle at ſix a Clock in the Morning; the two Points will point the one to the North, and the other to the South, and the Sun will then be full Eaſt angular to the Points of the Needle; try the Needle again at mid-day, and the Sun will be full South: now it is certain there is no Rule nor Reaſon

for the Earth's Motion eaſtward, that can cauſe the Sun in ſix Hours to appear to move from being full Eaſt of us to appear to be full South of us, for the Sun in ſix Hours moving from full Eaſt to be full South, hath mov'd angular to the Earth's natural Motion, and the Earth moving eaſtward hath mov'd angular to the Sun's Motion, for the Eaſt and South Points are angular, the Earth's Motion is to the Eaſt, and the Sun's Motion from Eaſt to South, which angular Motion of the Sun's Motion from the Earth's Motion, cannot by any Rule or Reaſon cauſe the Sun to move from the Eaſt in the Morning to be South at noon or mid-day; the Earth moving eaſtward to the Sun will cauſe the Sun to appear to move from Eaſt to Weſt in a ſtraight Line to the Earth, and no other Way can he appear to move, when the Sun in the Morning is full Eaſt of us; he cannot appear to be full South of us at mid-day, by virtue of the Earth's moving round from Weſt to Eaſt, for if the Sun be fix'd he would not appear to move, if the Earth did not move round, and carry us towards the Sun, for 'tis we being turned to the Sun that make the Sun appear to move to us, when he doth not; but at mid-day when the Sun is full South of us, the Sun's Motion is then angular to the Earth's Motion having moved from Eaſt to South, for when the Sun in the Morning is full Eaſt of us, he then moves

circular

circular and angular to the Earth's Motion till mid-day, when he is full South of us, there is no Rule neither can there be any Reaſon, for the Earth's Motion to move the Sun circular nor angular contrary to the Motion of the Earth, for if the Earth moves round to the Sun, whereſoever the Sun appears to be, if he be fix'd, the Sun will riſe higher and move in a ſtraight Line to the Earth, and if the Earth moves from the Sun, the Sun will then move lower, and appear to go down behind the Earth's Motion from the Earth, it may be proved with the Ball and Candle: let the Reader take notice of two more Obſervations, if the Earth moves round in 24 Hours, we are carried 21600 Miles in 24 Hours, which is 900 Miles every Hour of our Lives; that we are carried round the Earth without ceaſing, which is with as ſwift a Motion as a Man can ſling a Stone, much ſwifter than any Bird can fly, and it is very ſtrange, that none could never diſcern ſuch a ſwift Motion by the Wind which our Cloaths gather, ſurely our Cloaths muſt gather Wind in ſo ſwift a Motion, and always when the Wind is ſtill it muſt appear to be in the Eaſt, by Reaſon, if we move, we are carried always eaſtward: it is my Opinion, if we make Obſervations but only from the Wind, it will inform us whether the Earth doth move or not; we know when there happens a great Fog, at ſuch times

there can no Wind be diſcerned, if there was Wind, there could be no Fog, it being in like Nature as a Cloud, the Wind would carry it off and clear the Air, but being no Wind it remaineth. Now at ſuch times, if we obſerve which way the Smoke of all Chimneys doth fall, and alſo conſider the Swiftneſs of the Earth's Motion, that it is much ſwifter than the Smoke flies upwards, if the Earth moves, it is certain that the Earth's Motion will carry the Chimney Eaſt of the Smoke, and where the Smoke is great, it will always lay in a long Tail weſtward of the Chimney at a great Diſtance from the Chimney, by reaſon of the great Swiftneſs of the Earth's Motion, and this is natural Reaſon; ſo that if the Chimney be carried Eaſt from the Smoke, and the Smoke lay in a long Tail Weſt of the Chimney, we may conclude that the Earth doth move, but if there be no ſuch Appearance, may we aſſure ourſelves that the Earth is fix'd; this is ſuch Reaſon, that a Man that is no Scholar may judge, and thus it will be, and it cannot be otherwiſe in a ſtill Wind, if the Earth moves; and upon ſuch like Reaſon may be obſerved, with the burning of a watch-light Candle abroad in the Air at ſuch times, when no Wind can be diſcerned, if ſuch Candle doth continue burning but four Minutes; we may aſſure ourſelves that the Earth doth not move; but if ſuch a Candle goeth out in

four

four Minutes, we may conclude that the Earth doth move, and this is as much Reaſon as the other Smoke, for it is impoſſible for ſuch a Candle to continue burning four Minutes, being carried with ſo ſwift a Motion, as the Earth moves 900 Miles an Hour; it is as ſwift a Motion, as a Man can ſling a Stone; and can it be thought, a Candle can continue burning, being carried with ſuch a ſwift Motion, no ſurely it cannot be; but we know a Candle will continue burning abroad an Hour, when no Wind is diſcerned, which doth manifeſt the Earth not to move; I commend the Reaſons of thoſe two Obſervations, to be judged by ſuch whoſe Reaſon doth over balance their Opinions; but thoſe, whoſe Opinions are more prevailing than their Reaſon, will believe no Reaſon, that contradicts their Opinion, for all Mens Opinions appear Truth to themſelves, when it proves falſe to others.

It appears to me no leſs than a Wonder how *Copernicus* came by ſuch great Knowledge, to know that the Earth doth move in the Heaven amongſt the Planets round the Sun; I preſume I may venture to ſay, there is no Man living doth know where, and in what Point of Heaven the Sun is fix'd; how then is it poſſible to know that the Earth moves round the Sun? Surely *Copernicus* found out this new Secret only by conjecture; and beſides, 'tis ſcarce Reaſon

to believe the Heaven, being ſo Glorious to behold, is adorn'd with any ſuch Rubbiſh as Dirt and Earth, how can we imagine the Earth would appear moving in the Heaven amongſt thoſe Glorious Bodies the Planets; can it be thought that Dirt and Earth moving in the Heaven, would appear with ſuch glorious tranſparent Rays, as thoſe glorious Bodies of light, which we ſee adorn that glorious Fabrick? No ſurely, it is inconſiſtent with Reaſon to believe, there are any ſuch impure Bodies moving in the Heaven; as far in compariſon, as Angels are more glorious than Men, ſo far are thoſe heavenly Bodies more glorious than the Earth: can we believe the Earth would appear ſo glorious to behold as the Planets amongſt which it is placed? No ſurely, there is no Appearance of any ſuch impure Bodies as Dirt and Earth moving in the Heaven; may we not believe thoſe glorious Bodies of Light, the Sun, Moon, and Stars, were all placed in the Heaven for Ornaments to adorn that glorious Fabrick? for us Mortals to behold the great Power and Glory of our Creator, and alſo, that we ſhould contemplate the Power of his wonderful Works, for Men to fear him, and reverence his glorious Name; we may believe they were deſign'd for our Contemplation; and can we believe our duſky Earth was deſign'd for an Ornament to adorn ſo glorious a Fabrick as

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the Heaven? No ſurely, 'tis too impure a Body, to equal itſelf in Glory with thoſe glorious Bodies the Planets; we may aſſure ourſelves that the Almighty hath placed nothing in the Heaven, but what is glorious to behold; the Sun, that is the moſt glorious Body of all created Lights, to adorn the Heaven; *Copernicus* hath feigned him in his Syſtem to be fix'd in the Center out of the Heaven, and if ſome Authors Writings are Truth, he hath placed the Earth between the Planets moving in the third Heaven; *Copernicus* in his *New feigned Creation* hath put the Earth and Heaven both together, extraordinary convenient for wicked People, it is but to leap off from the Earth and they are in Heaven, and when they are there they never come out. I was always of the Opinion, that the Heaven was much higher than the Earth, but *Copernicus* in his Syſtem, hath placed the Earth as high as the Heaven; nay, he hath placed the Earth in the Heaven, between *Venus* and *Mercury*, and *Mars* and the *Moon*, and thoſe Planets we know are moving in the Heaven; we cannot with Reaſon ſuppoſe, that both the Sun and the Earth too, are placed in the Heaven, neither is it Reaſon to believe, they are both placed in the Center, out of the Heaven, but we may with Reaſon believe, that the one is placed in the Heaven, and the other in the Center: now in the Syſtem

of

of the learned *Ptolomy*, he hath placed the Sun in Heaven, and hath alſo fix'd the Earth in the Center; but in the Syſtem of *Copernicus*, he hath placed the Earth in the Heaven, and fix'd the Sun in the Center, and as all Men believe, that the one is placed in the Heaven, and the other fix'd in the Center; I demand which is the moſt Reaſon to believe is placed in the Heaven, the Earth or the Sun, if the Sun be placed in the Heaven, and the Earth fix'd in the Center; then the Heaven is much higherthan the Earth; but, if the Earth be placed in the Heaven, the Earth is as high as the Heaven, as alſo being in the Heaven amongſt the Planets, ſo that if this be Truth, the Earth is not under the Heaven, but is as high as the Heaven, and the Scriptures do ſignify the contrary in ſeveral Texts, and particular are expreſſed, if I miſtake not, in theſe Words; *Look how high the heaven is in compariſon of the earth, ſo far are my ways above your ways*; and again, mentioning of our bleſſed Saviour in another Place, ſaying; *There is no other name given under heaven amongſt men, whereby we muſt be ſaved, but only by Jeſus Chriſt*: both theſe Texts of Scriptures are divine Revelation, and are the Rule of our Chriſtian Faith, and therefore, we may aſſure them as Truth, and they plainly prove, that the Earth is not in the Heaven, but under the Heaven; the Clouds, that fly round the Earth,

are

are not in the Heaven, but are under the Heaven, flying round the Earth, they are in a Space between the Earth and the Heaven, neither can we ſee the Heaven, for thoſe Clouds that are between us and the Heaven; theſe Clouds do aſſure us, that we are not moving in the Heaven amongſt the Planets, as in the Syſtem of *Copernicus*, for we can ſee the Planets ſome Nights, when there are no Clouds, and we ſee the Planets moving in the Heaven; but when there are Clouds, they are under Heaven, and we ſee them fly between the Earth and the Heaven, and then they hide the Planets from us, which is a plain Demonſtration, that the Earth is not moving in the Heaven, with the Planets; the Clouds plainly proving the Syſtem of *Copernicus* to be a falſe Conjecture; beſides, our bleſſed Saviour confirms the Truth of this, if Men will believe him, he tells us in the ſixth Chapter of St *John*'s Goſpel, and repeats it ſeveral times ſaying; *I am the living bread, that came down from heaven*; and again he ſaith; *I came down from heaven, not to do mine own will, but the will of him that ſent me:* obſerve, he came down from Heaven, he deſcended, he came from the Heaven, he left the Heaven, and came down, he came down from Heaven; if the Earth had been in the Heaven, he had not came down from the Heaven, he had been in Heaven, upon

Earth,

Earth, he had not came from the Heaven, but leaving the Heaven, he came down upon Earth, which if Men will believe his Words, he plainly proves by the ſignification of his own Mouth, that the Earth is not moving in the Heaven, but is in the Center under the Heaven; to this agree the Words of an Angel at his Aſcenſion, ſaying; *Ye men of Galilee, why ſtand ye here gazing up into heaven? For the ſame Jeſus, which you now ſee go up into heaven, ſhall come ſo in like manner, as you ſee him go up into heaven*; what other ſignification can there be in both our Saviour's and the Angel's Words, both their Words do aſſure us, that our bleſſed Saviour came down from Heaven upon Earth, and alſo went up from the Earth into Heaven, which plainly proves, that the Earth is under Heaven, and not in the Heaven; and then it is certain, the Earth muſt be in the Center; ſurely thoſe Scriptures are more certain for us, to depend upon for Truth, than the Syſtem of *Copernicus*; theſe Scriptures were made known to us by Divine Revelation, and therefore, we ought to believe them, before the Dictates of Man's Reaſon; Mens Reaſon doth often fail them, and it is no Marvel, for the wiſeſt of Men are imperfect; neither can any Man living at all times, be a true Judge of his own Reaſon, and thoſe that give themſelves much to ſtudy know it; in

believing

believing the Earth moves round the Sun, Men believe Impoſſibilities, without aſking counſel of Reaſon; of the Opinion of *Copernicus* his great Learning, hath robbed Men of their Reaſon; natural Reaſon is the Mother of Truth, and Truth and Reaſon will never part Company, whether Learning be a Companion or not; is it not abſurd for Men to believe ſuch things for which they can give no Reaſon, putting off their Reaſon, as they put off their Cloaths, and dream of Apparitions, and believe they are real Objects? how many are they that believe the Syſtem of *Copernicus*, with the Sun fix'd in the Center, is Truth? and at the ſame time alſo believe the Sun to be in the Heaven, which is a Contradiction to their own Reaſon, if they conſider how the Heaven is made and form'd, 'tis impoſſible if the Sun be fix'd in the Center, to be ſeen in the Heaven; for as I have before hinted, the the Center of Heaven, where he hath fix'd the Sun, is not in the Heaven, but in the Globe of Air encompaſſed all round with the Heaven, view his Syſtem, and his Syſtem ſhews the Sun not to be fix'd in the Heaven, but in the Globe of Air, that hollow Cavity which is in the Middle of the Circumference of Heaven, which we know and ſee to be the Globe of Air, where the Earth is plac'd in that hollow Cavity, where the Earth doth hang by nothing, encompaſſed all round within

within the Circumference of Heaven: in this Syſtem the Truth of it is ſeen viſible to appear, that the Sun is not fix'd in the Heaven, but in the place where the Earth abideth.

Surely Men do not know, or not conſider in what manner the Heaven is formed, neither doth it appear by them, that they know what is the Center of the Heaven, if they did know, and conſider this, they could not believe the Truth of the Syſtem of *Copernicus*, that the Sun is fix'd in the Center, and alſo in the Heaven too, if we may compare the form of the Heaven to any likeneſs; the whole Heaven is formed in likeneſs as a Shell of a Granado, incloſing all round in its inſide a Cavity of a Globe of Air, and in the Middle of this Globe of Air, is the Center of that Circumference, in ſuch Globe of Air in the ſame likeneſs, is the Earth incloſed all round within the Circumference of Heaven, this Globe of Air is not the Heaven but is incloſed all round with the Heaven, and in this Globe of Air is the Earth plac'd, with the Sun, Moon, and Stars in the Heaven, moving all round it, to give Light upon the Earth, where all the Earth may look up and behold thoſe glorious Bodies of Light, each moving in their Orbs in ſuch a wonderful Order, may ſee the incomprehenſible Power and Glory of our great Creator, and in this Globe of Air, is the Center and Place where we ſee and know the Earth doth abide where

Copernicus

Copernicus hath fix'd the Sun: if we view this Syſtem, we ſee the Earth placed in the Heaven, amongſt the Planets, Earth and Planets all together moving round the Sun fix'd in the Center, and the Sun not in the Heaven amongſt them; how then can Men, that believe the Truth of this Syſtem, believe the Sun to be in the Heaven? this Syſtem doth ſhew he is not, if he was he would be amongſt the Planets; can we believe the moſt glorious Body of all created Lights, the Sun, not to be placed in the Heaven, amongſt all thoſe other glorious Bodies to adorn ſo glorious a Fabrick, but placed out of the Heaven, and a Globe of Earth to be in the Heaven? which is the moſt glorious Body, the Earth or the Sun? if the Sun be a more glorious Body than the Earth, we may believe the Sun is moving in the Heaven, and if he be, *Copernicus*'s Syſtem is a falſe Conjecture, for in his Syſtem, he hath not placed the Sun in the Heaven, but hath fix'd him in the Center, and as he is the moſt glorious Body of all created Lights, we may reaſonably believe he is placed in the Heaven, and the Earth in the Center, otherwiſe the Heaven and the Earth are together, which no Man of Reaſon can believe.

If thoſe ſeveral demonſtrable Arguments, will not bring Men to terms of Reaſon on this Point, the Sword ſhall determine the Matter; I will attack them in a Field-fight at *Gibeon*;

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in the ſame place, where *Joſhua* ſmote the *Ammorites*, when the Sun ſtood ſtill for the Space of a whole Day; there was no Day like that, before or after, that the Sun was known to ſtand ſtill; there will I attack them Sword in hand, with an Army of Prophets and holy Men; Champions which I know will fight for the Truth, ſuch as the whole World cannot conquer; and againſt *Gibeon* will I pitch my Camp; and there will I fight them ten Hours by the Sun-Dial of *Ahaz*, upon which the Shadow went ten Degrees backward; and King *Hezekiah* ſhall be General to command the left Wing; and holy *Joſhua* ſhall command the right Wing; and I will place the Prophet *David* in the Center, and *Solomon* being a wiſe Man, having ſpoken very zealouſly for this Cauſe, ſhall order the Battle; I ſay at *Gibeon* will I decide this Matter, for all theſe Men have given me their Words to ſtand true and faſt by me, and I myſelf will go forth in the midſt of the Battle, and there will I at *Gibeon*, even I, will, with the Sword of the Mouth of theſe Men, ſmite with my Power; and there will I ſlay the miſtaken Opinion of a Multitude, and will bury their miſunderſtanding in the Graves of the *Ammorites*, and the Remnant that eſcape will I purſue with theſe Men; there are Books now in Print that do publickly teſtify, ſeveral as learn'd and of as great a Character as *Copernicus*, who

who have been miſtaken in their Opinions, and have contradicted each other in ſeveral of their Opinions, in the make and order of ſeveral particular Works of the Creation, and thoſe that read many Authors know it, and it is no wonder, for the wiſeſt of Men are imperfect; why then may not *Copernicus* be as much miſtaken as they; nay, and in this point alſo, ſeveral of great Learning have written themſelves not to be of his Opinion, and *Ptolomy*, that was as great in Learning as any Man in his Age of the World, and is ſtyled the Prince of Aſtronomers, was not of his Opinion, and hath in his Syſtem fix'd the Earth in the Center, and alſo placed the Sun in the Heavens, with all the Planets to move round the Earth, and in his Age of the World, and for ſeveral Ages after him, till *Copernicus* came into the World, and by a Miracle found out this new Secret, whereby to confute the Opinion of *Ptolomy*, the whole World in general was then of my Opinion, ſo are more than half the World now at this time: but as *Copernicus* blindly proved *Ptolomy* to be miſtaken in his Opinion, I preſume, I, that am a Babe to either of them in Learning, ſhall prove the Miſtake of the Opinion of *Copernicus* upon him, much plainer than he proved it upon *Ptolomy*; my Opinion is no new Thing, it is an old Opinion newly vampt, it hath been the general Opinion of the whole World, for ſeveral former Ages, wherefore

wherefore I would have none be surprised at it; I will following insert the System of *Ptolomy*, in which that great learned Astronomer hath placed the Earth in the Center, and the Sun in the Heaven amongst all the other Planets, all in their Orbs moving round the



Earth; let the Reader view both these Systems of *Ptolomy* and *Copernicus*, and compare them with his own Reason, he will see *Copernicus* in his System, hath fix'd the Sun in the Center out of the Heaven, and also placed the Earth in the Heaven, but *Ptolomy* in his

System

Syſtem hath fix'd the Earth in the Center out of the Heaven, and alſo placed the Sun to move in the Heaven: now let the Reader be judge, which of theſe two Syſtems is moſt likely to be Truth; if the Sun be fix'd, there can be no rule by the Earth's Motion to cauſe the Sun to move, but by the Earth to move round againſt the Sun, for if the Sun be fix'd, if the Earth move any other Way, except it be againſt the Sun, it is impoſſible for the Sun to appear to move; no Man can be ſo ignorant to believe that there is no Rule, which way the Earth muſt move to cauſe the Sun, if he be fix'd, to appear to move to thoſe ſeveral Points of Heaven, which he appears to move to and from at the ſeveral Seaſons of the Year; no Man can be ſo void of Reaſon, to think, the Earth moving but one particular way, can be the cauſe of the Sun, if fix'd, to move ſo many ſeveral ways, to and from ſo many Points of Heaven, as the Sun doth appear to move at ſeveral Seaſons of the Year, both in his daily Motion from his Riſing to his Setting, and alſo in his yearly Motion to move forwards and backwards, from North to South and back again from South to North, if a Man doth believe that the Earth moving but one particular way round, will cauſe the Sun, if he be fix'd, to move ſo many ſeveral ways angular, to and from thoſe ſo many ſeveral angular Points of Heaven; I ſay if a Man will believe

lieve this, he will not believe Reaſon, and a Man that will not believe Reaſon will believe any thing that is not Reaſon, and then he will never believe the Truth, for Truth and Reaſon are never parted: Now if the Earth's moving round but one way, will cauſe the Sun, that is fix'd, to appear to move ſeveral ways, there is no Rule for the Earth's Motion, which way to move the Sun, nor whether the Earth doth move or not, and I am ſure this is Reaſon, and by theſe Reaſons the Sun doth not move to and from thoſe ſeveral angular Points of Heaven by virtue of the Earth's Motion; and if the Sun doth not move by virtue of the Earth's Motion, he then moves by virtue of his own natural Motion, and then ſurely he cannot be fix'd; I am ſure 'tis grand Reaſon, to believe the Earth muſt move round ſo many ſeveral ways, as the Sun appears to move otherwiſe by Reaſon, we muſt believe there is no Rule for the Earth's Motion, to cauſe the Sun to move to any Point; I am ſure if the Earth moving round but one particular way, will cauſe the Sun to appear to move ſeveral ways, there can be no Rule for the Earth's Motion to move the Sun, becauſe in his daily Motion from his riſing and ſetting, he moves weſtward to us upon the Earth, and in his yearly Motion he moves from North to South, and back again from South to North, theſe ſeveral

ways

ways of the Sun's Motion, cannot be cauſed by one only way of the Earth's Motion, and it is certain the Earth cannot move two ways in one Day, either there is no Rule for the Earth's Motion to move the Sun, or whether the Earth move or not, or elſe the Sun is not cauſed to move, by virtue of the Earth's Motion; I am ſure theſe are plain Reaſons, whether Men will believe them or not.

I will demand of all Men, whether or no it be reaſonable to believe, that it is the Earth's Motion, moving only one way from Weſt to Eaſt, can cauſe the Sun to appear to move from Eaſt to Weſt, and alſo to move from the South Tropick to the North Tropick, always at a certain Day and Hour, never to fall ſhort, nor never to paſs any farther, but juſt to the Point, and immediately, without ſtop or ſtay, to move back again in a Moment, from the North Tropick to the South Tropick, and continue ſuch Motion likewiſe from Year to Year, continually moving forwards and backwards to each Tropick, at a certain Day and Hour, and as ſoon as he toucheth at each Tropick to move back again in a Moment; it is very certain that the Earth can move but one Way to move the Sun, if he be fix'd, and it is certain alſo that the Sun doth move two ways every Day, one Motion weſtward and the other Motion either ſouthward or northward in his yearly Motion, and theſe two

Motions of the Sun are angular the one to the other, and therefore it is impoſſible to natural Reaſon, that ſuch Motion of the Sun can be cauſed by the Earth's Motion, it is certain that the ſame way which the Earth moves, to move the Sun weſtward, cannot move the Sun in his annual Motion ſouthward; and it is alſo as certain, that the ſame way that the Earth moves, to move the Sun ſouthward, cannot be the ſame way that can move the Sun back again northward; if this may not be granted, the whole World muſt grant, that there is no rule in the Earth's Motion, which way to move the Sun, nor whether the Earth move or not, and if it be granted, then it muſt alſo be granted, if there be any true Rule which way the Earth muſt move, to move the Sun to any Point, the Earth muſt move as many ſeveral ways as the Sun appears to move, and that is impoſſible for the Earth to move two ways in one Day, as the Sun doth move, wherefore by theſe Reaſons we may conclude, that the Sun's Motion is not cauſed by the Earth's Motion, and then the Earth doth not move, it appears very much in contradiction to Reaſon, that the Sun ſhould paſs all through the twelve Signs, from South to North, from Tropick to Tropick, backwards and forwards, without ſtop or ſtay, as the Moon doth, and the Moon doth move, and the Sun doth not move, the Sun moves forwards and backwards

wards from North to South all through the twelve Signs fix'd, it appears very ſtrange, that the Sun doth move to the ſame Points in a Year, as the Moon doth in a Month, they both move alike, the Moon doth move, but the Sun is fix'd as he moves; this may appear to be Truth to thoſe that believe it, but it appears to depend upon ſuch Reaſon as Truth cannot juſtify, if reaſon be Judge, I will preſume to ſay, and I can prove it with my Globes by natural Reaſon, that the Earth's Motion cannot poſſibly cauſe the Sun to appear to move, by no other Motion, but by moving to the Sun only; here I have given an exact Plan to the World, how the Earth muſt move, to move the Sun if he be fix'd, and without the Earth doth move to the Sun, it is impoſſible, if the Sun be fix'd, that he can appear to move, I now have it to the World to agree within themſelves, and ſettle the Matter, how and which way the Earth ſhall move, to cauſe the Sun to move weſtward every Day in his diurnal motion, and alſo to move angular, one Degree every Day from South to North, or otherwiſe one Degree every Day from North to South, in his annual Motion, I would have the World to contrive how the Earth ſhall move to move the Sun, more in particular, when the Sun comes at a certain Day and hour to touch at each Tropick, when he moves back again from each Tropick in

ſuch haſt, without ſtop or ſtay in a Moment of time; I have declared myſelf in very reaſonable Terms, I leave this Conſideration to the World, to conclude this Matter upon ſome Reaſon, as they ſhall think fit, and if Reaſon cannot be found out how the Earth ſhall move, to move the Sun every Day with theſe two angular Motions, my device is to vote the Earth not to move, and ſo ſettle the Matter, and if wiſe Men cannot tell me how the Earth can move every Day to cauſe the Sun to appear every Day to move with theſe two angular Motions; I ſay again, if wiſe Men cannot find a Reaſon to tell this, I will tell them and prove it, that the Sun is not fix'd, nor never was.

Now I will enquire, what Obſervations may be taken from the Horizon; I will divide the Circumference all round the Earth into four Horizons; one Horizon upon the Earth, another under, the one at the eaſt ſide of the Earth, and another at the weſt ſide of the Earth, theſe being all equally divided, will be 4 large Horizons, and the Arch of the ſide of the ſquare of each Horizon, upon the Surface of the Earth, will be 5400 Miles in length, and the time allotted for the Earth to move all round, is 24 Hours, and if the Earth move round, we are carried through all theſe four Horizons in 24 Hours, and the Time of our abode in each Horizon is equal 6 Hours. have greatly obſerved the Pole-Star, and

the Bear that moves a pretty large Circle round the Pole, with ſome other remarkable Stars which are never out of our Horizon, neither doth the Pole-Star, or the Bear, appear to be a Foot nearer the Earth, nor move weſtward, by virtue of the Earth's Motion, theſe Stars are full North of us by Night, and the Sun is full South of us at mid-day, when the Sun is full South, the Earth's Motion eaſtward, is ſuppoſed to move the Sun out of the Horizon weſtward, and every Hour after mid-day, the Sun appears to move nearer and nearer the Earth weſtward, till in 6 or 8 Hours is down out of the Horizon, but as for any of thoſe Stars, the Earth's Motion makes no manner of alteration in their Motions by Night, neither is any of them obſerved to be a Foot lower in the Horizon, nor yet weſtward, it is a thing very admirable, if the Earth's Motion move the Sun weſtward out of the Horizon by Day, by ſuch Reaſon, the ſame Motion of the Earth muſt move thoſe Stars alſo weſtward out of the Horizon by Night, but it doth not; which doth plainly prove that the Earth doth not move, or otherwiſe it doth not move by Night; which it is, I will not ſay, but it gives great Reaſon to believe it is either the one or the other, that the Earth doth not move round in 24 Hours, or elſe it doth not move by Night, it is great Reaſon to believe that there is ſome ſecret defect in the Earth's

Motion, otherwiſe the ſame Reaſon of the Earth's Motion, which doth move the Sun out of the Horizon by Day, when South of us, will alſo move theſe Stars out of the Horizon by Night, which are North of us, otherwiſe it is a plain Caſe, that the Earth hath more power to move the Sun by Day, than it hath to move theſe Stars by Night; theſe Stars are always all Night in the Horizon from day-light to day-light, and nott weſtward as the Sun moves, nor yet a Foott nearer the Earth, nor lower in the Horizon, which is as much as 6 Hours more in proportion to the Earth's daily Motion in moving the Sun, it is certain that the Earth's Motion hath no influence to move thoſe Stars, which is contrary to natural Reaſon if it moves the Sun, beſides the Earth moves the Sun weſtward, and the Bear moves half the Night eaſtward after the Earth, which is more ſtrange than all the reſt, that the Bear half the Night moves faſter eaſtward, than the Earth moves us, the Bear moves the contrary way to the Earth's natural Motion to move the Sun, the Earth's Motion ſhould naturally move the Pole-Star, and the Bear weſtward, as it doth the Sun, but the Pole-Star being fix'd ſtands his ground, but the Bear moves half the Night very miraculouſly contrary to the Sun's Motion, that moves weſtward, for the Bear moves half the Night eaſtward, and doth appear about two of the Clock in the Morning

Morning to get ground of the Earth's Motion in moving eaſtward, which appears no leſs than a Wonder, if the Earth move, for it is contrary to all Rule and natural Reaſon, for either the Sun or Stars to move along with the Earth as the Earth moves; theſe Stars do viſibly ſhew that the Earth doth not move, for according to the 24 Hours of the Earth's Motion, we can abide but 6 Hours in each of the four Horizons, and we are 12 Hours in the Winter with theſe Stars, and they appearing not a Foot nearer the Earth, nor yet weſtward in the 12 Hours time, whilſt we have paſt through two Horizons, and are perpendicular under the Earth, even then, when we are under the Earth, the Earth muſt then be between us and thoſe Stars, and even then, we ſee theſe Stars as high in the Horizon, as before it is viſible to our Eyes the Earth's Motion, makes no manner or viſible Alteration in the Motion of theſe Stars, as it doth upon the Sun, this is ſuch natural Reaſon, and it doth ſo much ſympathize with our common Underſtanding, that if it be the Earth's Motion, that moves the Sun out of the Horizon, it would alſo as certainly make ſome viſible Alteration, in the Motion of thoſe Stars, I leave the World to judge whether it be Reaſon or not, if thoſe Stars did not vaniſh out of our ſight, it muſt cauſe ſome viſible Appearance of Alteration in their Motion, in 12 Hours time of the Earth's Motion, when

it is certain in 12 Hours time, if the Earth move, we are then perpendicular under the Earth, having paſſed two Horizons, and the Earth then muſt be between us and theſe Stars, it is my Opinion, if the Earth's Motion doth move the Sun, when South, out of the Horizon in 8 Hours by Day, that the Motion of the Earth muſt alſo move thoſe Stars that are North of us in the 12 Hours by Night, or otherwiſe we may conclude the Earth doth not move by Night, and the Motion of the Bear moving eaſtward half the Night, contrary to the Sun's Motion, and alſo contrary to the natural Rule of the Earth's Motion, doth more in particular demonſtrate that the Earth doth not move by Night, and if the Earth doth not move by Night, I will leave the World to judge whether it moves by Day or not, this appearing ſo very ſtrange, I thought proper to mention, that others might judge of it as well as myſelf, ſurely there can be no other Reaſon given for this, but only, that the Earth doth not move by Night, if it did, it muſt move us out of the Horizon from thoſe Stars by Night, as it doth move us out of the Horizon from the Sun by Day, I am ſure it depends upon the ſame like Reaſon, if the Earth move by Night it appears very ſtrange, but if it doth not, the Caſe is very plain, it is my Opinion that *Copernicus* committed a great Error in his Syſtem, for fixing the Sun in the Center of the

Circumference

Circumference of Heaven, we know, and ſee with our own Eyes, that the Center is where the Earth is placed, incloſed all round in the middle of the Circumference of Heaven, there are ſeveral Circumferences of the ſeveral Heavens in his Syſtem is ſeen, a Circumference to every planetary Orb, but there is but one Center to them all, which is in the middle of them all, where he hath fix'd the the Sun, not in the Heaven, but is in the Middle or Center incloſed all round with the Heaven, and in this place he hath fix'd the Sun, he hath not fix'd the Sun in the Heaven, no, he hath fix'd the Sun, where we ſee with our Eyes is the place where the Earth is placed, for if we lift up our Eyes in the Horizon, we may ſee plain enough without Spectacles, that the Earth is in the Center incloſed all round in the middle of the Circumference of Heaven, the Horizon ſhews it very plain to us, if we look in the Horizon all round us, 40 or 50 Miles diſtance, that the Sky all round ſeemeth to touch the Earth, and if we go to that place where the Sky ſeemed to touch the Earth, and look 50 Miles farther, the Sky will appear the ſame again, and ſo will it appear to be, if we go all round the Earth, which ſhews us plainly that the Earth is round, and alſo that the Circumference of Heaven doth incloſe the Earth all round, and if it be ſo, the Earth being in the middle of the Circumference is in the Center,

and not the Sun; the Sun's place is not in the Center, if it was, the Earth could not be incloſed all round, with the Circumference of Heaven, but we ſee and know, that the Earth is within the Circumference, incloſed all round with the Heaven, if not, how come Men to inhabit round the Earth, if Men inhabit round the Earth, it is certain that the Earth is incloſed all round within the Circumference of Heaven, and the middle of the Circumference of Heaven, is certainly the Center of that Circumference, by which Reaſon the Earth is in the Center, and not the Sun, which proves *Copernicus*'s Syſtem to be a falſe Conjecture, there cannot be two Centers to one Circumference, neither can it be thought, that the Sun and the Earth are incloſed ſo near together in one Center, we ſee the Circumference of Heaven doth incloſe the Earth all round within this Circumference, from the one ſide of the Heaven to the other is only a hollow Globe of open Air, which is the Center of the Heaven, as being in the middle of the Heaven, incloſed all round with the Circumference of Heaven, this Globe of Air is not in the Heaven, but is the Center of Heaven, and therefore *Copernicus* hath not fix'd the Sun in the Heaven, but in this Globe of Air, which is the Center of Heaven, which is the place where the Earth abideth.

I will following inſert the Syſtem of *Copernicus*, where the Reader may ſee that he hath

not

not fix'd the Sun in the Heaven, but in the Globe of Air, where we see and know is the place, where the Earth abideth enclosed all round within the Circumference of Heaven, and the Earth he hath placed in the Heaven amongst the Planets, Earth and Planets altogether moving round the Sun, this System shews it: Now if the Reader doth believe the System of *Copernicus* to be Truth, he then doth believe the Earth moves in the Heaven, where the Sun ought to be, and also that the Sun is fix'd out of the Heaven, where the Earth ought to be: Now, if the Sun's place ought not to be in the Heaven, then I am in the wrong; but, if the Sun's place ought to be in the Heaven, then this System doth visibly shew, that I am in the right, and *Copernicus* in the wrong; we see and know that the Earth is abiding in the Center, hanging in this Globe of Air by nothing, enclosed all round within the Circumference of Heaven, and in this place *Copernicus* hath in his System fix'd the Sun, and many believe it, although they see it with their Eyes to be otherwise, not considering where the Center is, but do believe that the Sun moves in the Heaven, and that he is also fix'd in the Center too, which is a Contradiction, for the Sun, being in this System fix'd in the Center, is not fix'd in the Heaven, no, the Earth moves in the Heaven: and we cannot believe the Sun and the Earth

to be both in the Heaven, nor yet both in the Center; no furely 'tis abſurd.

I intreat the Reader to examine this Syſtem of *Copernicus*, and to obſerve the Sun in the Center, and alſo how the Earth and the reſt



of the Planets are all placed in each their Orb in the Heaven, moving round the Sun; and alſo obſerve, that *Mercury* is next the Sun, and *Venus* next to *Mercury*, and the Earth next to *Venus*, and the Moon next the Earth, next is *Mars*, then *Jupiter* and *Saturn*, and thus they are all placed in the Heaven

to

to move round the Sun fix'd in the Center out of the Heaven: Now theſe Planets ought to move round the Earth, as well as round the Sun; but I cannot ſee how *Mercury* and *Venus* neareſt the Sun can move round the Earth and the Sun too, by reaſon they are both plac'd between the Sun and the Earth, I know that they both move round the Earth, for *Mercury* is very often ſeen in the Evening to follow the Sun, and *Venus* is the Morning Star one Year, and the Evening Star the next, both which I know to move round the Earth; but I cannot ſee any poſſibility by this Syſtem, how theſe two Planets which are neareſt the Sun, between the Earth and the Sun, how they can move round the Earth and the Sun too, except they leap out of their Orbs, like as doth a Frog, and back again; and alſo I ſee no Poſſibility, that the Sun can ever be in an Eclipſe by this Syſtem, if the Moon doth move in her Orb with a regular Motion, as doth the other Planets, except ſhe doth in her Motion, move out of her Orb, or otherwiſe move winding in her Motion round the Earth, in ſuch like manner as a Snake climbs up a Tree, and thus the Moon muſt do, otherwiſe there can never be an Eclipſe of the Sun, by reaſon, the Earth is placed between the Sun and the Moon, and there can never be an Eclipſe of the Sun, but when Moon is between the Earth and the Sun, and

there

there can never be an Eclipſe of the Moon, but when the Earth is between the Sun and the Moon; I would intreat all, that believe this Syſtem to be Truth, to examine it, and judge in what manner the Moon muſt move in her Orb, that two Eclipſes may happen, the one with the Sun, and the other with the Moon, and the Moon continue in her Orb; as do the reſt of the Planets, ſee how the Planets move, and thereby judge of this Matter.

One thing I obſerve which I cannot comprehend the Reaſon, I leave it the Reader to enquire into, which is, that if the Earth always move round upon its Axis, between the two Pole Stars, to know how it is poſſible that the Earth can always abide upon his Axis, and alſo move round the Sun too, if the Sun be fix'd in the Eaſt Point of Heaven, he is then millions of Miles Eaſt of the Earth, angular from the ſtraight Line of the Earth's Axis, from Pole to Pole, if the Earth moves round, the Sun fix'd in the Eaſt of the Earth, he muſt move millions of Miles Eaſt from its Axis; and if the Sun be fix'd in the Weſt Point of Heaven, the Sun is then millions of Miles Weſt of the ſtraight Line of the Earth's Axis, from Pole to Pole, and alſo angular, for the Earth's Axis, the two Pole Stars, ſtand always North and South and the Earth is always, we ſee, abiding between the two Pole Stars, in the Middle

between

between the Eaſt and Weſt Points of Heaven, if the Earth move round the Sun fix'd in the Weſt point of Heaven, it muſt alſo move millions of Miles Weſt from its Axis: Now if the Earth moves round the Sun fix'd either in the Eaſt, or in the Weſt points of Heaven, the Earth muſt move millions of Miles Eaſt and Weſt off from its Axis, to move round the Sun fix'd either in the Eaſt or Weſt of Heaven, by reaſon the Earth moving upon its Axis, is neither in the Eaſt nor in the Weſt, but is in the Middle between the Eaſt and Weſt Points of Heaven, and the two Poles, ſtanding always North and South, between the Eaſt and Weſt, prove it; but ſuppoſe the Sun be fix'd in the South Point of Heaven, if the Earth move round the Sun fix'd in the South, then I ſay the Earth, to move round the Sun fix'd in the South, muſt alſo move millions of Miles off from its Axis, to move round the Sun fix'd in the South, for let the Sun be fix'd where it will, the Earth muſt move with a Motion millions of Miles with an aſcending and deſcending Diſtance from the Sun, or elſe the Sun will ſcorch us to Death, the Earth muſt, to move round the Sun, move with an aſcending and deſcending Motion from its Axis, or elſe it cannot move round the Sun, let the Sun be fix'd where it will, but we ſee the Earth always abiding between the two Poles, if the

Reaſon

Reaſon of this Argument be truly examined, there may be Reaſon found in it to believe the Earth doth not move round the Sun, for let the Sun be fix'd in any Point of Heaven, whereſoever he hath appeared to be; the Earth to move round the Sun, muſt move with ſuch an exceeding Diſtance aſcending and deſcending Motion, both above and below the Sun, that 'tis impoſſible, but we muſt diſcern ſome viſible Appearance of ſeeming Motion in the Pole Star, higher and lower in the Horizon, farther and nearer to the Earth, or either Eaſt or Weſt, for if the Earth aſcends and deſcends with ſuch large Diſtance, both above and below the Sun, to move round the Sun, as that it muſt do, the Pole Star that is fix'd muſt appear with ſome Motion in ſome meaſure anſwerable to the Earth's aſcending and deſcending Motion; I will give Reaſons enough to prove my Point, whether Men will believe them or not. Now we know that the Pole doth never appear with any Motion, cauſed by the Earth's Motions, for I have tried an Experiment by fixing a Sight to the Pole Star, which hath not mov'd his Point from that Star for ſeveral Months, which proves the Earth not to move, which, either by the Earth's diurnal or annual Motion, muſt have mov'd his Point, if the Earth had moved.

Now

Now amongſt all thoſe ſeveral Arguments delivered, if the Reader can find in them any natural Reaſon, that doth prove my Point, the whole World of Philoſophers cannot confute them; for the whole Syſtem of Philoſophy doth conſiſt in natural Reaſon, and if a natural Reaſon can be found which can confute a natural Reaſon, it implies a Contradiction to Philoſophy, by ſuch Hypotheſes declares, there is neither Reaſon in Philoſophy nor Truth in Reaſon; natural Reaſon is an Aſſurance of Truth without Contradiction; there is no Man, that writes a Book, treating on any new Subject, that doth commonly pleaſe all, and I expect this Book will meet with the ſame fate amongſt Criticks; but I give ſuch *item*, to ſhew themſelves ſo wiſe to the World, not to undervalue, nor diſparage my Arguments, before wiſe Men, if they know not how to diſprove them; for ſuch, in undervaluing of me, ſhew themſelves very little; and if they have more Talk than Knowledge, they ſhew themſelves not to be qualified with Reaſon enough, to paſs a true Judgment upon my Arguments.

PROP.

PROP. CHAP. IV.

If the Sun be fix'd in the Center, as in the Syſtem of Copernicus, *and if the Earth moves round the Sun in a Year, it is impoſſible for the Sun to appear to move round the Earth, to riſe in the Eaſt ſide of the Earth, and to ſet in the Weſt ſide of the Earth, and that the Sun's Shadow upon our Sun-Dials alſo, cannot ſhew us the true Hours of the Day.*

IN order to make good this Propoſition, firſt I ſhall obſerve, that it is certain, and alſo as natural, that from any Center or Point, either in the Heaven, or in the Earth, there are theſe four Points, pointing, from ſuch Center or Point, namely the Eaſt, the Weſt, the North, and the South Points, pointing from ſuch obſervable places, and conſequently, there are theſe four Points pointing from the Sun, at whatſoever place the Sun is fix'd, if this be granted, as I perſume none can deny; by it I will prove viſibly before all the Sons of Men, that the Syſtem of *Copernicus* is a falſe Conjecture, good for nothing, Nonſenſe, although it be ſo much eſteemed for Truth, amongſt many wiſe and learned Men, they did never examine upon what foundation their Reaſon was built to believe it,

it, but now I will make it plain before their Eyes, that they have been deluded and mistaken, by depending upon the Opinion of his Learning, more than upon their own Reason, Learning is good, but Reason is better to prove a Point.

I forbear mentioning of Authors, but there are Books now in Print, that do demonstrate, that several learned Men, of as high a Degree of Learning as *Copernicus*, have been found guilty of many Errors in their several Opinions, and by such Precedents it doth give me some Reason to believe, that *Copernicus* may be as likely to be as much mistaken in his Opinion concerning the Sun, as these several others have been concerning the Moon: I will following insert part of the System of *Copernicus*, exactly as much as is useful for me to prove my Point; in this following System, I have, like as *Copernicus*, fix'd the Sun in the Center, and next the Sun, the Orb of *Mercury*; and above *Mercury*, the Orb of *Venus*; and above *Venus*, the Earth in the Heaven above these two Planets, to move round the Sun in a Year; I have omitted the other Planets, as being of no use to prove the Point intended, the Earth and the Sun only are what I intend to insist upon; these are placed as in the whole System of *Copernicus*, the Sun is not fix'd in the Heaven, but in the Center, in the middle of the Circumference of Heaven, enclosed all round

round with the Circumference of Heaven, and the Earth is placed in the



Sun's place, and the Sun is placed in the middle of the Circumference of Heaven in the Earth's place, and thus ſtands his Arc of direction, in which the Sun muſt have an oblique Aſcenſion to riſe in the Eaſt, and ſet in the Weſt, and that will not do it neither; for as he hath fix'd the Sun in the Center, and the Earth in the Heaven to move round the Sun, it is impoſſible, as the Sun is fix'd, and the Earth moves round the Sun, for the Sun to riſe in the Eaſt ſide of the Earth, and ſet

in

in the Weſt ſide of the Earth any one Day of the Year; this Syſtem ſhews it viſible to the Eyes, neither can the Shadow of the Sun any Day of the Year give us the Hours of the Day upon our Sun-Dials, it cannot be; if the Sun be fix'd, and the Earth moves round the Sun, the Sun cannot riſe in the Eaſt ſide of the Earth, and ſet in the Weſt ſide of the Earth, it is very plain, the Syſtem ſhews it; if the Earth moves round the Sun, as the Sun is fix'd, and the Earth moves round, the Earth muſt, in his Year's Motion moving round, be at every ſide of the Sun, and then if the Sun be fix'd, he cannot riſe and ſet in the Eaſt and Weſt ſides of the Earth, for if the Sun be fix'd, and the Earth keeps moving round, it is impoſſible, let the Reader view the Syſtem, and ſee the Earth's Motion, as it moves round the Sun, when if comes to the four Points from the Sun, to the Eaſt, to the Weſt, to the North, and to the South ſides of the Sun, at which Points, the Earth will be at every quarter of the Year; I have ſet the Earth at each of theſe Points, at the Eaſt, the Weſt, the North, and the South ſides of the Sun, at each of theſe places the Earth will be at every quarter of the Year, in its Year's Motion moving round the Sun; and there muſt be theſe Points, pointing from the Sun, or elſe how come ſuch Points of Shadow pointing from the Sun to fall every Day upon our Sun-Dials;

Dials; but there can be no ſuch Points of Shadow fall from the Sun upon the Earth on our Sun-Dials by this Syſtem, if the Sun be fix'd in the Center, and the Earth moves round the Sun, as in this Syſtem, which doth viſibly ſhew the Syſtem of *Copernicus* to be a falſe Conjecture.

I intreat the Reader to view this Syſtem, and then let him examine my Arguments, and compare the Reaſon of theſe Arguments, with this Syſtem, and then let him ſhew a Reaſon, how it is poſſible for the Sun every Day to riſe in the Eaſt ſide of the Earth, and ſet every Day in the Weſt ſide of the Earth, and alſo for the Sun to caſt his Shadow upon the Earth on our Sun-Dials to ſhew us the hours of the Day, according as he daily doth; and, if he can find no Reaſon how this can be, he may ſurely conclude, that the Sun is not fix'd in the Center, neither doth the Earth move round the Sun; let Men of Reaſon view this Syſtem, and obſerve the Sun is fix'd, and alſo conſider, that the Earth doth move round the Sun by a continual Motion; how is it poſſible for the Sun to caſt its Shadow three ways every Day upon our Sun-Dials to give us the true hours, at Morning, Noon, and Evening, upon the hour of Six, Twelve, and Six? And to all theſe three Points, the Sun muſt caſt its Shadow every Day in the Year upon our Sun-Dials; but by this Syſtem the Sun cannot

caſt

caſt ſuch like Shadow upon the Earth one Day of the Year, for the Shadow of the Sun upon the Earth can fall no other way, but in a ſtraight Line from the Sun, and if the Sun be fix'd, and the Earth continually moves round the Sun, as is ſeen in this Syſtem, how can the Sun be in the Morning every Day in the Eaſt ſide of the Earth, to caſt his ſhadow full Weſt upon the hour of Six on our Sun-Dials, and alſo in the Evening in the Weſt ſide of the Earth, to caſt his Shadow full Eaſt upon our Sun-Dials upon the hour of Six, and alſo at Noon for the Sun to be in the South of the Earth, to caſt its Shadow full North upon the hour of Twelve? and if this cannot be, which is impoſſible by this Syſtem, then it is certain *Copernicus*'s Syſtem is a falſe Conjecture, it proves the Earth not to move, neither the Sun to be fix'd.

I intreat the Reader to examine the Reaſon, that may be found in this Syſtem, and then let him judge whether this Syſtem doth not confirm the Truth of all my other Arguments, that the Sun is not fix'd, neither doth the Earth move; I preſume, I have in this Combat with *Copernicus*, given him a mortal Wound and beat him off the Stage with no other Weapon than with only a Gooſe-quill. I would have the Reader conſider, if the Sun be fix'd, and the Earth moves round the Sun in a Year, that at the four Quarters of the Year, the Earth will be in

four

four ſides of the Sun; and then, if the Sun be fix'd, it is impoſſible that the Sun can appear in the Eaſt ſide of the Earth in the Morning, and in the South ſide of the Earth at Noon, and in the Weſt ſide of the Earth in the Evening, and thus it muſt be, or elſe the Syſtem of *Copernicus* is a falſe Conjecture; let the Reader examine this Syſtem, and then let him examine the Reaſons of my Arguments, and compare them together, and then let him ſpeak Reaſon, and ſpeak the Truth, and let him ſpeak what he thinks, and let him tell the World, that he hath ſeen both Truth and Reaſon, which have been dead a long time, a couple of Gentlemen, which *Copernicus* murdered, he knock'd Truth in the Head, and ſtrangled Reaſon, and buried them both in his own Tomb; and I, by the virtue and power of a Machine, have ſurely raiſed them both to life again, as ſure as the Witch of *Endor* raiſed up *Samuel*; pray tell the World, that you have ſeen them both alive, being raiſed from the Dead again, and that they both have told you, that the Sun doth move, and not the Earth, and if one doth ariſe from the Dead they will believe.

Truth and Reaſon are two loving twin Brothers, they never can be parted, they were born both at a Birth, they came both into the World together, and they will both live together, and when the one doth die the

the other cannot live, they are the two only Champions of the whole Univerſe, they conquer all that oppoſe them, they are ſtronger than *Sampſon*, and they are wiſer than *Solomon*, they know all things, that are poſſible, and judge all things that can be known; and they are more learned than *Moſes*, they are the Tutors of all Mathematicians, and a Philoſopher is but a Dunce, if not inſtructed by Reaſon; him that walks with Truth, Reaſon will follow, and him that takes Reaſon for his Companion, Truth will keep company, and a Man, that ſeeks after Truth, Reaſon will tell how to find it, and no Man living can find the Truth without Reaſon directs him, and if a Man loves Truth, he will never act againſt Reaſon, and if a Man doth deſign to continue Acquaintance with Truth and Reaſon, he muſt be ſure to avoid the Company of Conjecture and Suppoſition, they are a couple of deceitful Hypocrites, they will flatter Men into folly, and deceive the wiſeſt of Men, they intrude into all manner of buſineſs and pretend to inſtruct Men in all things, but they are ſo falſe, they will even deceive the moſt Wiſe and Learned in their Studies, and by flattery and deluſion do often lead Men into many Errors; they always walk together and act alike, and whatſoever the one thinks, the other will affirm, if it be ever ſo falſe; they go always in a Diſguiſe, and always feign themſelves to be Truth and

Reaſon, and by ſuch flattery and deluſion moſt people believe they are Truth and Reaſon, and thereby are deceived by them, theſe two falſe Hypocrites are as full of Miſchief as Deceit; they often breed a great deal of Diſturbance in the World amongſt thoſe that are innocent; Conjecture will tell a Man that his innocent Neighbour hath wronged him, and Suppoſition will juſtify it; Suppoſition will tell a Man that his Neighbour hath ſpoke ſome evil of him behind his Back; and Conjecture will affirm it; both theſe Monſters will accuſe the Innocent, feigning themſelves to be Truth and Reaſon, and whilſt thoſe deceitful Hypocrites are plotting this Miſchief, Anger immediately haſteth to take the one's Part, and Fury the other's, feigning themſelves to be Truth and Reaſon, and make a great Diſturbance, then ſteps in the Enemy of Peace, and Author of all Miſchief inviſible, and brings with him his four Brothers, Hatred and Malice, Spite and Revenge, all feigning themſelves to be Truth and Reaſon, placing Hatred and Malice on the one Side, and Spite and Revenge on the other for partakers, and the Author of all Miſchief inviſible backs them on, on both ſides, and then, the Matter is ſoon brought into ſuch a Confuſion, that perhaps it is never any more reconciled, and oftentimes ſuch happens to people that are Innocent, thro' the falſe Accuſation of thoſe deceitful hypocritical

critical Monſters, Conjecture and Suppoſition, theſe two Monſters are enemies to Peace and a quiet Mind; he that makes Suppoſition and Conjecture his familiars in Neighbourhood, will never be long at Peace in himſelf, nor yet with his Neighbour; theſe Monſters will raiſe a Scandal upon a Perſon, and affirm it to be Truth, and thoſe that believe them will ſlander a Perſon; he that frequents theſe deceitful Hypocrites is never ſure to be Innocent, for whilſt he believes a Perſon hath injured him, he himſelf doth wrong; it is a high degree of Wiſdom in all Men, not to have any dependance upon Conjecture and Suppoſition in any caſe or circumſtance, but always make Truth and Reaſon their Companions, and then they need not fear to be ſafe in all Attempts: it was Conjecture and Suppoſition, that perſwaded *Copernicus* to fix the Sun in the Center, in the Place of the Earth, and alſo to place the Earth in the Heaven between the Planets, to move round the Sun; but Truth and Reaſon tell us, it is no ſuch Matter, it was the deluſion of Conjecture and Suppoſition only to amuſe the World.

PROP. CHAP. V.

That the Sun hath a much swifter Motion than the Moon.

I Will following represent the first great Eclipse of the Sun about seventeen Years past, which did commence very near the East Point of the Horizon, and make some Observations from thence: At the last full Moon before the Eclipse, the Sun and Moon were both in Opposition; the Sun at the one side of the Heaven, and the Moon at the other; and in 24 Hours after the full Moon, the Sun had gained of the Moon's Motion, about 42 Minutes, and then the Moon was before the Sun, and as the Moon kept moving round the Earth, the Sun every 24 Hours gained of the Moon's Motion, and got nearer and nearer the Moon every 24 Hours, and at the Place of the Eclipse the Sun from the full had gained half the Circumference of the Moon's Motion, and overtook the Moon, or else there could not be any Eclipse; at the full Moon the Sun was half the Circumference behind the Moon, and the Sun fix'd,

and

and the Moon kept moving round the Earth; it is little leſs than a Miracle, that the Sun,



that was fix'd, in about a Fortnights time ſhould gain half the Circumference of the Moon's Motion, as the Moon moved round the Earth, it was ſo far from the Place of the full Moon, to the Place of Eclipſe, if it had not, the Sun could not have overtaken the Moon at the Place of the Eclipſe, and eclipſed himſelf behind the Moon, ſome few Hours before the Eclipſe, the Moon was before the Sun; the Sun overtook the Moon,

as is plainly ſeen, and entred the Eclipſe eclipſing his fore-part firſt, behind the hinder-part of the Moon, and at the eaſt Point the Sun had gained of the Moon's Motion her whole Body, and was full eclipſed behind the Moon, caſting the dark Shadow of the Eclipſe in a ſtraight Line upon the Earth; the Moon kept moving forward, but the Sun, that is ſuppoſed to be fix'd, came out of the Eclipſe before the Moon with his fore-part Light, and his hinder-part half eclipſed behind the fore-part of the Moon and in a ſhort Space of time, the whole Body of the Sun was clear of the Eclipſe before the Moon; it is ſeen by the Sun's going into the Eclipſe, and alſo by his coming out of the Eclipſe, that he doth move with a much ſwifter Motion than the Moon, the Moon that we know doth move, ſhews the Sun's Motion; obſerve, the Sun was behind the Moon before the Eclipſe, the Moon moved forward, the Sun overtook the Moon and was eclipſed, and came out of the Eclipſe before the Moon; this Eclipſe was near the eaſt Point of the Horizon; the Moon moved from the Place of the Eclipſe from the Eaſt in 12 Hours, into the Weſt of Heaven, and in the ſame 12 Hours time, the Sun was near 21 Minutes in the Weſt of Heaven before the Moon; theſe are the true Motions of both the Sun and Moon, and by the Moon's Motion, it is viſibly diſcerned that the Sun hath a ſwifter Motion

Motion than the Moon; their true Motions in this Eclipſe, are ſeen viſible before the eyes of all Men, as it did appear, and I appeal to all Men to judge, if the Sun doth not move; the Reader may ſee the Sun's Motion, by the Moon's Motion in this Eclipſe, without the help of the Earth's Motion, when the Sun and Moon were joined together in the full Eclipſe, when the dark Shadow fell in a ſtraight Line from the Sun upon the Earth, when the Sun and Moon were both in a ſtraight Line to the Earth, and the Sun in a ſtraight Line behind the Moon, his Body not to be ſeen for the Body of the Moon; I can ſee no manner of Reaſon how the turning round the Earth, when we were in the Weſt ſide of the Sun, could haſten the Sun, if he was fix'd, faſter out of the Eclipſe before the Moon, when the Moon kept moving; I am ſure the Sun moved out of the Eclipſe before the Moon toward the South, angular to the Earth's Motion, if the Earth's Motion had moved the Sun, which was fix'd behind the Moon, out of the Eclipſe, it muſt by natural Reaſon have moved the Moon, as faſt that had a natural Motion moving, and alſo was much nearer the Earth; I am ſure it is contrary to natural Reaſon.

I would that Men ſhould not be ſo ſtrongly conceited with Opinion, as not to be guided by Reaſon; let this be an Obſervation, that before the Eclipſe the Sun was behind the

Moon, and the Moon moving before the Sun: Now, when the Sun was behind the Moon, and the Moon kept moving before the Sun, if the Sun had not moved faſter than the Moon, and overtook the Moon, there could not have been any Eclipſe; this is viſibly ſeen to appear in the Eclipſe, it is not poſſible for a Man of Reaſon to think that the turning round the Earth, when the Sun and Moon were ſo near to each other in a ſtraight Line to the Earth, and the Sun ſo many hundreds of thouſand Miles behind the Moon farther diſtant from the Earth, that the Earth's Motion could cauſe the Sun, fix'd, to appear to move faſter than the Moon, that did move by a natural Motion; a Man that believes this, cannot be a Man of Reaſon: let the Reader view the Place of the Sun and Moon, before and after the Eclipſe, and obſerve the Motions of both, before and after, and he will plainly ſee by the Moon's Motion, that the Sun doth move faſter than the Moon, it is viſibly ſeen before the Eyes of the Reader; there is no room for any Reaſon to believe if the Sun was fix'd in the Eclipſe, and the Moon moving, and the Sun ſo many hundred thouſand Miles further diſtant from the Earth, and the Moon in a ſtraight Line between the Earth and the Sun, as the Moon was moving before the Sun, there is no Reaſon to believe that

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the turning round the Earth angular to the Sun's Motion could haſten the Sun out of the Eclipſe before the Moon; the Motions both of the Sun and Moon, were contrary to the Earth's natural Motion, to move the Sun circular from the Earth's Motion out of the Eclipſe; for if the Earth moves, it is from Weſt to Eaſt, and ſuch Motion will cauſe the Sun, if fix'd, to appear to move in a ſtraight Line from Eaſt to the Earth weſtward; but the Sun came out of the Eclipſe circular bearing to the South, contrary to the Earth's natural Motion to move the Sun; view the Eclipſe, and ſee which way the Sun moved out of the Eclipſe, the Earth's natural Motion to move the Sun, if fix'd, muſt be to move to the Sun, and then the Sun will move in a ſtraight Line to the Earth, and cannot appear to move any other way, but in a ſtraight Line to the Earth, cauſed by the Earth's Motion.

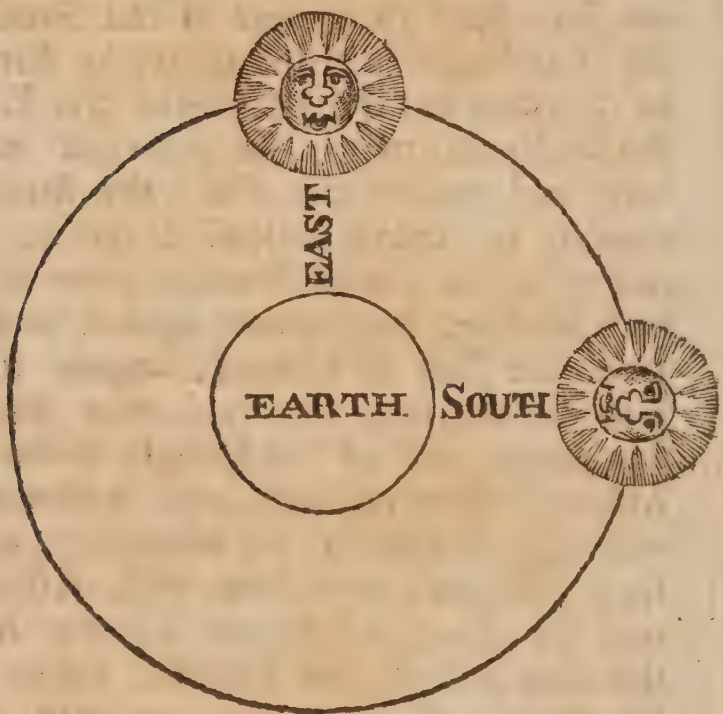
Now let the Reader look and ſee which way the Sun moved out of the Eclipſe, whether it was in a ſtraight Line to the Earth weſtward, or not, if it was not, the Earth's Motion could not have any effect upon the Sun to move it out of the Eclipſe, and if ſo, the Sun moved both in and out of the Eclipſe by its own natural Motion, and I preſume it doth appear viſible ſo to do, if the Sun be fix'd,

the Earth's Motion cannot cauſe the Sun to appear to move but by turning us round againſt the Sun, and the turning us to the Sun will naturally cauſe the Sun to appear to move to us, when he doth not; the Reaſon of the Sun's Appearance to move, is by the Reaſon of us turning to the Sun, our being turned to the Sun is the cauſe of the Sun's Appearance to move to us, and that is the Reaſon of *Copernicus*, to turn us round from Weſt to Eaſt againſt the Sun, to cauſe the Sun to move from Eaſt to Weſt to us; for, if the Earth had moved any other way except againſt the Sun, if the Sun was fix'd, it could not appear to move; for no longer than the Earth moves againſt the Sun, no longer will the Sun appear to move towards the Earth, and this was the only contrivance of *Copernicus* to move the Sun, no other way can do it.

Let the Reader obſerve, if the Sun be fix'd in the Morning in the Eaſt of Heaven, that the Earth's Motion cannot cauſe him to appear to move circular and angular contrary to the Earth's Motion, to be at noon or mid-day full South of the Earth, in the South of Heaven; I prove it thus; if the Sun be fix'd in the Eaſt of Heaven, he is then millions of Miles Eaſt of the Earth, and the Earth is in the Weſt ſide of the Sun abiding in the middle

middle between the Eaſt and Weſt points of Heaven, let the Earth move how it will in the Weſt ſide of the Sun; yet the Sun abideth fix'd in the Eaſt ſide of the Earth, and, if the Earth doth move round, it abideth in the Weſt ſide of the Sun in the middle between the Eaſt and Weſt of Heaven, and as the Sun in the Morning is full Eaſt of the Earth, he cannot appear to be full South of the Earth at noon or mid-day, except he moves, by reaſon the Earth is abiding in a ſtraight Line, millions of Miles in the Weſt ſide of the Sun, and the South and Eaſt points are both angular to the Earth's Motion, and there is no Rule nor Reaſon for the Earth to cauſe the Sun to appear in the South of the Earth to move any other way, but only to meet the Earth in its Motion, ſo that the Sun cannot appear to move angular, nor circular, from the Earth's Motion; there is no Rule nor Reaſon to be given for the moving round the Earth, to cauſe the Sun to appear to move circular or angular contrary to the Earth's Motion; wherefore, if the Sun be fix'd in the Eaſt of the Earth in the Morning, he cannot appear to be in the South of the Earth at Noon, except he doth move: I will following deſcribe the Angle of theſe Points, as the Sun doth move from the Eaſt of the Earth in the Morning, to the

South of the Earth at Noon, which Angle doth plainly demonſtrate, that the Earth's Motion cannot by any Reaſon cauſe the Sun to move circular or angular from the Eaſt ſide of the Earth, to the South ſide of the Earth; let the Earth move round in the Weſt ſide of the Sun how it will; view the following Angle of the Sun's Mo-



tion from Eaſt to South, and obſerve if there can be any Reaſon given for the Earth's

Earth's Motion, to move how it will, to cauſe the Sun fix'd in the Eaſt of the Earth, to appear to move to be in the South of the Earth; I intreat the Reader to obſerve the preceding Angle, where I have placed the Sun in the Morning in the Eaſt of the Earth, and alſo at Noon in the South of the Earth, and conſider how the moving round the Earth ſo far Weſt of the Sun can cauſe the Sun fix'd to appear in the South of the Earth: it is certain, if the Sun be fix'd, when in the Eaſt ſide of the Earth, if the Earth moves us eaſtward to the Sun, and nearer the Sun, the Sun will appear to move weſtward to us, and nearer to us; and Reaſon there is for ſuch Motion, but cannot appear to move from the Eaſt ſouthward, angular to the Earth's Motion, and ſuch way did the Sun move out of the Eclipſe before the Moon ſouthward, and not weſtward to meet the Earth in its Motion: wherefore, we may conclude with Aſſurance that the Earth's Motion did not haſten the Sun out of the Eclipſe, faſter than the Moon, that was moving with a natural Motion; the Motions of both the Sun and the Moon, as it doth appear in this Eclipſe, are demonſtrable enough to convince the whole World in this Point,

Point, that the Sun doth move faſter than the Moon: Now, if the Sun be fix'd, and the Earth's Motion doth cauſe him to appear to move, when he doth not, ſuch Motion of the Sun is a falſe Appearance, and ſuch falſe Appearance, if any, muſt always happen when it is not known that he hath appeared to move from one fix'd Point to another that is fix'd; ſuch falſe Appearance may deceive us, and we may believe it is the Sun's natural Motion, this I grant, but, when the Sun appears to move from one fix'd Point to another that is fix'd, ſuch Motion cannot deceive us, ſuch Motion cannot be a falſe Appearance, particularly, when the Sun moves through all the twelve Signs, from Tropick to Tropick; we know thoſe fix'd Points, the two Tropicks, and the Equinox; we know where theſe fix'd Points are, and how many Degrees each is a-part, when the Sun is not at either of them, and therefore, when the Sun hath moved from one of thoſe fix'd Points to the other, we know it is not a falſe Appearance of the Sun's Motion cauſed by the Earth's Motion, by Reaſon we ſurely know long before, the Day and Time, when the Sun will appear at each of thoſe Points, and we

alſo

alſo know, that the Sun when he is at either of thoſe Points, the two Tropicks or Equinox, he doth not appear to be there when he is not, as is cauſed by the Earth's Motion; but we know the Sun is ſurely at thoſe Points, when he appears to be there, and alſo that he hath moved from one of thoſe Points to the other.

I have given ſuch natural Demonſtrations and plain Reaſons in my ſeveral Arguments, enough to convince the World in this Point; but perhaps ſome Men will not believe them becauſe they are not aſſerted by a Pen of a great Character, is this a ſure way of Reaſoning or not, let not the Judgment of my Arguments be the only Subject matter of my Pen, whether I write with a Gooſe-quill, or with a Hen's Feather; but let Men examine the Reaſons contained in them, and then let them judge according as my Arguments ſhall give them Reaſon to believe; this is the true Way of paſſing Judgment; what if theſe Aſſertions have not been dropt out of a Pen of a great Character? Is it therefore in them ever a Whit the leſs Truth or Reaſon? No ſurely; are there no Men of inferior Learning, that are indued with natural Reaſon, but only Men of a high degree

degree of Learning? Yes ſurely there are; witneſs a remarkable Inſtance of *Duck* the Threſher; and is it not known, that the Almighty doth beſtow his Gifts and Talents in a great Meaſure upon Men of inferior degrees of Learning? Surely he doth; there are ſome Mechanicks, that are indued with as great natural Parts as Men of a high degree of Learning, and if they had Learning to add to their Parts, they would as greatly ſhew it; for in ſome Mens Genius there is natural Philoſophy imprinted in their Underſtanding, although not Philoſophers by Study, and can give a perfect Idea in many particular natural Cauſes, though not in general, as well as a learned Philoſopher; I ſpeak of many particulars, which are in like Nature common to the Underſtanding, whoſe Limits do naturally concur with common Experience, for as the Truth of Philophy doth conſiſt in natural Reaſon, ſo doth the Reaſon of common Experience confirm us in the Truth of natural Philoſophy; why then ſhould Mens Talents of inferior degrees of Learning be deſpiſed? Suppoſe a Man of inferior Learning doth diſcover a ſecret Error, which a Man of a high degree of Learning hath committed, as it is not impoſſible,

by

by reaſon all Men are imperfect, ſhall ſuch a Man's Genius be deſpiſed becauſe he is of an inferior degree of Learning? No ſurely, it is not Juſtice, neither is it Reaſon, to deſpiſe a Man's Genius for diſcovering of the Truth whether he ſpeaks learnedly or not; I know very well, it adds more Glory to an Author, to expreſs himſelf in a more lofty and ſcholaſtick Style, the which, by Misfortune, is not moving in the Sphere of my Capacity, but ſo much as I am owing to the Style, I will endeavour to make full Satisfaction with an Equivalent of Reaſon; I profeſs to ſhew no more Learning with my Pen, than what the Learned may expect to derive from the *Engliſh* Tongue, by which I am conſtrained to expoſe my Pen to their Cenſures, but I have much confidence in their Wiſdom and Juſtice, that they will not require more of me than what they know I am capable to Perform; if ſuch Reaſon may be allowed, it will in ſome meaſure excuſe ſome irregular Expreſſions, which may happen to be dropt from my inferior Pen; I ſpeak only to the Learned, I know it will paſs with others without Spot or Blemiſh, I acknowledge my acquired Parts to be much inferior to the more Learned,

yet

yet I can ſay, I have laboured in Study for many Years, as much for my Attainments as any of them, and I have demonſtrated to the World, that I have not employ'd my Study in vain; but not having the Advantage of the *Latin* Tongue, I cannot be thought to have the Character of a Scholar; but in other Studies I have laboured with great Diligence many Years for my Attainments, and I have found by great Experience, that natural Reaſon is a good Tutor; Reaſon is the greateſt Treaſure that can ſatisfy and enrich a curious Mind, and a ſatisfied Mind is a great Pleaſure to a Man's Life.



Some

Some Obſervations to be taken concerning the Earth's Motion.

IF the Earth move round in 24 Hours, the Earth's ſwift Motion doth carry us upon the Earth 900 Miles every Hour, which is fifteen Miles every Minute, a much ſwifter Motion than any Bird can fly; upon which Reaſon, if a Man ſpring a Bird that takes his Flight eaſtward, and ſo continue his Flight in great haſte, in a very ſhort Time, the Man will be Eaſt of the Bird by Reaſon the ſwift Motion of the Earth will carry the Man faſter eaſtward upon the Earth, than the Bird can fly eaſtward in the Air, which thing, as yet never was found, proves the Earth not to move. Alſo, it will be almoſt as difficult for a good Marks-Man, to ſhoot a Bird that flies ſwift a-croſs him from Eaſt to Weſt, as it is for a blind Man to ſhoot a Hare running; by Reaſon of thoſe two ſwift Motions a-croſs each other, both of the Man and alſo of the Bird, the one eaſtward, and the other weſtward, but this being a Thing never as yet obſerved to be any detriment to Fowlers in ſhooting flying,

is ſome Reaſon to think the Earth doth not move. Men by long Experience would have found out this difficulty if the Earth did move; alſo if a Ship ſet ſail for 14 Hours in a ſtraight Courſe weſtward, if the Earth move ſhe will at 10 Hours end ſail eaſtward under the Earth, and not tack about.

Another Obſervation may be taken from the Sky-Lark, which is a plain Demonſtration that the Earth doth not move, by her mounting perpendicular in the Air, and not moving out of her Place when ſhe is mounted up, and ſo keep ſinging and abiding in one Place, till ſhe hath ſung her Song, which doth commonly laſt for the ſpace of 8 or 10 Minutes, and then ſhe falls down perpendicular again to the Place where ſhe aroſe; this we often ſee with our Eyes, which is a plain Caſe if the Earth move us fifteen Miles in a Minute, we ſhould be carried 100 Miles Eaſt of the Lark, and not ſee her coming down; and thus it will be, if the Earth move round in 24 Hours, when we ſwim upon the Water, our Motion doth cauſe every fix'd Thing near us to appear to move towards us, to meet us in our Motion, and ſo paſs by us behind us; the ſame Appearance, if the Earth move, will be

ſeen

ſeen in the Motion of the Lark, as it doth depend upon the ſame like Reaſon, for if the Earth move us, it cannot move the Lark, this appears to me to be a plain Demonſtration that the Earth doth not move; let the Reader be Judge, the ſame like Reaſon will be ſeen in the Smoke of all Chimneys falling always weſtward of the Fire, more particularly when a Houſe or Town is on Fire; what a long Train of Smoke for many Miles will lay weſtward of the Fire, the Earth's Motion carrying the Fire 15 Miles eaſtward in a Minute, and thus it will be if the Earth move round in 24 Hours, the Smoke will always fall weſtward by Reaſon of the Earth's ſwift Motion eaſtward, and this is as much Reaſon as the other.

I having by ſeveral demonſtrable Arguments proved my Point according to human Reaſon; I will now enquire of the Scriptures, and ſee what the Word of God doth ſpeak in the Vindication of my Aſſertions, in proving the Earth fix'd, and the Sun to move. The Scriptures do inform us, that *Joſhua* had a Commiſſion from God to deſtroy the *Ammorites*, and he fought them at *Gibeon*, and at that time the Lord fought for

for *Iſrael*, and *Joſhua* being deſigned to execute his Truſt to make an utter Deſtruction of that People, and fearing the Day would not be long enough for his purpoſe, thinking if the Night came on as uſual, he ſhould not have time enough to make a total Deſtruction of thoſe People; for when the Night came on, ſome would eſcape; wherefore he commanded the Sun to ſtand ſtill, and it obey'd him; and the Sun ſtood ſtill for the ſpace of a whole Day: *And there was no day like that, before or after*; which do plainly ſignify that the Sun did uſually move, by Reaſon the Sun did at that Time ſtand ſtill, and being no Day like that, before or after, that the Sun was known to ſtand ſtill, confirms the Truth as plain by Signification, as Words can do, that the Sun did uſe to move, as being no Day like that before or after; the Prophet *Habakkuk* confirms the ſame, ſaying: *The ſun and moon ſtood ſtill in their habitation: at the light of thine arrows they went, and at the ſhining of thy glittering ſpear*; that is, we may infer, that they both ſtood ſtill, till *Joſhua* had deſtroy'd thoſe *Ammorites*, and then they went and moved again as before, firſt, both the Sun and Moon ſtood ſtill;

and

and afterwards they went, moving in their Courſe, as before, as when *Joſhua* ſaid; *Sun, ſtand thou ſtill upon Gibeon, and thou moon, in the valley of Ajalon,* and the Lord did hearken to the Voice of a Man, and the Sun ſtood ſtill for the ſpace of a whole Day, and by this, ſhall we believe that the Sun is fix'd, and doth not move? No ſurely, if we believe the Scriptures, we cannot believe that the Sun doth not move, and to this agree the Words of *Solomon*, in the firſt Chapter of *Eccleſiaſtes*, ſaying; *The ſun alſo ariſeth, and the ſun goeth down, and haſteth to his place where he aroſe*; and this is what we ſee daily with our Eyes, and what can give us greater Aſſurance, when we ſee with our Eyes, what the Scriptures make known to us? Can we require greater Demonſtrations? Or can there be any thing of Truth which can contradict it? No ſurely; *Solomon* ſaith, *The ſun ariſeth, and it goeth down, and haſteneth to the place where it aroſe*; the Sun's riſing and going down, and from the Place of his going down, he haſteneth to the Place where he aroſe, and doth not the Sun's haſtening ſignify his moving? Surely it doth; and it muſt be by a natural Motion, if he

doth

doth haſten, thoſe that will not believe the Reaſons of my Arguments, neither the Scriptures, which do confirm the Truth of them, let them come to me, and I will, with my Machine or pair of Globes, demonſtrate to them as plain, and as natural, as the Sun doth ſhine at noon Day; that if the Sun be fix'd, and the Earth moves, it is impoſſible by any manner of Motion of the Earth, to cauſe the Sun to appear to riſe in the Eaſt, and ſet in the Weſt, to appear to move round the Earth: but indeed thoſe that will believe neither Scripture nor Reaſon, will not believe any thing that is Truth. Holy *David* makes mention both of the Earth, and the Sun; and and ſaid plainly that the Earth is fix'd, and the Sun doth move: in the hundred and fourth *Pſalm*, he ſaith; *He hath laid the foundations of the earth that it never ſhall be moved*; theſe are plain Words ſignifying that the Earth doth not move: and in the ninety third *Pſalm*, he ſaith alſo; *that he hath made the round world ſure that it cannot be moved*; and again, in the ninetieth *Pſalm* he ſaith, *Tell it among the heathen, that the Lord is king, and that it is he that hath made the round world ſo faſt that it cannot be moved.*

Now

Now if the Earth cannot be moved, it is ſure that it cannot move, and that proves the Truth of all my Aſſertions, that the Earth is fix'd, and if the Earth be fix'd, the Sun muſt move; otherwiſe we cannot have Day and Night in their Seaſon: and in the hundred and nineteenth *Pſalm*, he ſaith, *thou haſt laid the foundation of the earth, and it abideth*: the Word Foundation doth ſignify a Firmneſs, upon which whatſoever is built it is deſigned that it ſhould not move, and it abideth; and in the nineteenth *Pſalm*, holy *David* ſaith, *The heavens declare the glory of God, and the firmament ſheweth his handy work: in them he hath ſet a tabernacle for the ſun*, not in the Center, but in the Firmament; *which cometh forth as a bridegroom out of his chamber, and rejoiceth as a giant to run his race:* obſerve, he runneth or haſteneth, and his coming forth muſt ſignify his moving, and then ſurely he cannot be fix'd, then he goeth on, and ſaith; *it goeth from the uttermoſt part of the heaven, and runneth about to the end of it again, and there is nothing hid from the heat thereof*; this can refer to nothing but the Sun; all thoſe ſeveral texts of Scripture are ſpoken in very plain Terms to be underſtood,

derſtood, they are neither ſpoken Prophetically, neither in Parables, nor yet in Viſions; but all agreeing plainly in one and the ſame Senſe, accordingly as they are expreſſed, all as one, plainly proving the Truth of my Aſſertions, that the Earth is fix'd, and alſo that the Sun doth move, and I eſteem them to be the ſureſt Demonſtrations of all my Arguments, to depend upon for Truth in proving my Point, although, I preſume, I have proved my Point very demonſtrable without them; but when the Scriptures do confirm my Aſſertions, there is no more room to doubt of the Truth. *Objection*; Some do queſtion, whether or no theſe holy Fathers and Prophets were learned Men, and if they were not, they were not ſo certain of the Truth of what they have informed us concerning the Earth and the Sun: as the more learned of theſe later Ages of the World, whether they were learned I know not; but this I know, they were inſpired with the Holy Ghoſt, which gave them more Knowledge than human Learning could do, and I will affirm, and can produce many others that will juſtify it; that the Demonſtrations ſeen with my Machine or Pair of Globes, do plainly and viſibly

viſibly prove the Truth of their Aſſertions, and thoſe holy Fathers do confirm the Truth of all my Arguments, ſo that I have both Scripture and Reaſon to juſtify my Pen; but more in particular, thoſe Prophets and holy Fathers were inſpired with the Holy Ghoſt, and what is recorded of them is Scripture, and St *Paul* tells us, in the ſecond of *Timothy*, Chapter the Third, what the Scriptures are, and what Truth there is in them; he ſaith, *All ſcriptures are given by the inſpiration of God*, if ſo, then they are Divine Revelation, and are the Word of God, and then they muſt be Truth, and they could not be the Word of God, if it had not been ſpoken of the Holy Ghoſt by the Mouth of thoſe holy Prophets; we know, and believe the Word of God was revealed from Heaven to the Prophets, and the Prophets had a Commiſſion from God, to make his Word known to us, and they have declared his Word to us by the Holy Ghoſt ſpoken by the Mouths of the Prophets, and it is recorded, and theſe Records are the Scriptures, which were delivered by them to us, for to be the Rule of our Faith, that we ſhould believe them: now theſe Scriptures are

the Word of God, revealed from Heaven, and these Scriptures do assure us that the Sun doth move, and also that the Earth doth not; these Scriptures are Divine Revelation, the Word of God made known to us by the Prophets, and if we may not believe the Word of God spoken by holy *David*, and the rest of the Prophets, what Faith can we have to believe Man's Reason, which doth contradict the Word of God? We have great Assurance of the Word of God spoken by the Mouth of the Prophets, but we have no Assurance in Man's Reason for the wisest of Men are imperfect; the Word of God is Truth, and the Prophets have spoken the Word of Truth: and all the Christian World hath received it as Truth, the Scriptures are Divine Revelation, revealed to us from Heaven, and the Truth of them is made known to us by the Apostles and Prophets, and our blessed Saviour came down from Heaven, and confirmed the Truth of it, and for a Testimony sealed it with his own Blood, and bids us with his own Mouth search them, but what for? Why he tells us, that we may find in them eternal Life, and these Scriptures are what is recorded in the Old and New

Testament,

Teſtament, made known to us by the Apoſtles and Prophets, and they had a Commiſſion from God to teach the unbelieving World thoſe Precepts, contained in them, that they ſhould believe them, and practiſe them, that they might have eternal Life. *Abraham* tells the rich Man in the Goſpel; that his brethren had *Moſes* and the Prophets that they ſhould hear them; *And if they would not believe neither Moſes nor the prophets, they would not believe if one roſe from the dead:* it is by the Scripture that we receive the Knowledge of God, and alſo our Duties in Religion; by the Scriptures the Terrour of the Lord is revealed from Heaven againſt the wicked; and by them Salvation and eternal Life is promiſed to the Righteous, and without believing them, we believe no Rewards or Puniſhment, after this preſent Life; and alſo in not believing the Scriptures, we have no Faith, nor any Hope of Salvation, and then we Men, who are created in the Image of God, and made the Glory of the Creation, and are alſo deſigned for a glorious Reſurrection, are far more miſerable than the Beaſts that periſh, as having no Hope, and without God in the World. Now theſe Scriptures are made known to us by the Holy Ghoſt, ſpoken from the Mouths of the Prophets and

holy

holy Men, and they have aſſured us, and told us again, and again poſitively, and in many plain Terms, that the Sun doth move and not the Earth, and the whole World cannot deny it, which is a Confirmation of the Truth of all my Arguments, that the Sun doth move and not the Earth, which doth prove my Point intended; but beſides, if we may not believe the Scripture for Truth on this Point, concerning the Earth and the Sun: how ſhall we know, and be aſſured of the Truth of them in any other Point concerning our Salvation? There being the ſame Reaſon, as not to believe the one as the other; if theſe Men were not learned, which have aſſured us that the Sun doth move, and not the Earth, and did not know it by human Learning; yet nevertheleſs, as being inſpired with the Holy Ghoſt, that knoweth all Things, they knew more than human Learning could teach them; for human Learning is but the Wiſdom of Man's Reaſon, but they being inſpired with the Holy Ghoſt knew the Wiſdom of God, and the greateſt Wiſdom of Man is but Fooliſhneſs with God. I preſume I have anſwered my Preface, having proved my Point demonſtrately by human Reaſon, and alſo

ſo by the Word of God: Man's Reaſon may fail, but the Word of God is ſure, and ſhall ſtand Truth till the Heavens are no more: And this is the whole Syſtem of our Chriſtian Faith, and he that doth believe this, will believe that I have proved my Point.

F I N I S.



Divine Service when ended, and the People are going,
A Psalm is the Custom, I'll conclude with a Poem.

'TIS wonderful surprising, how Mens Brains are hurl'd,
That Threshers and Mechanicks do mount the World.
Both Milton *and* Drayton *their Poems are but dreams,*
If compar'd in esteem with Duck *the Thresher's Theams.*
Copernicus *also exalted in solar Rays hath been,*
But now his goddess System the Scorn of a Machine.
Both the Lame and the Blind, do heroes countermand,
The World is turn'd upside down, not any thing can stand.
A Story is newly rais'd, and goes about for good,
That the Thresher, and I, were hatch'd both of a Brood.
He prov'd a grey Duck, *and I a brown Mallar,*
And neither of us, was bred much of a Scholar.
But our Muse, and our Pens, to the World declare,
Not to be mistaken, but to know what we are.
He leap'd in a Pond, that is full to the brim;
I fear I ne'er shall in such high Water swim.
I'll submit to my Fate, and content my abode,
Till I take my Flight, to the Celestial Globe.

